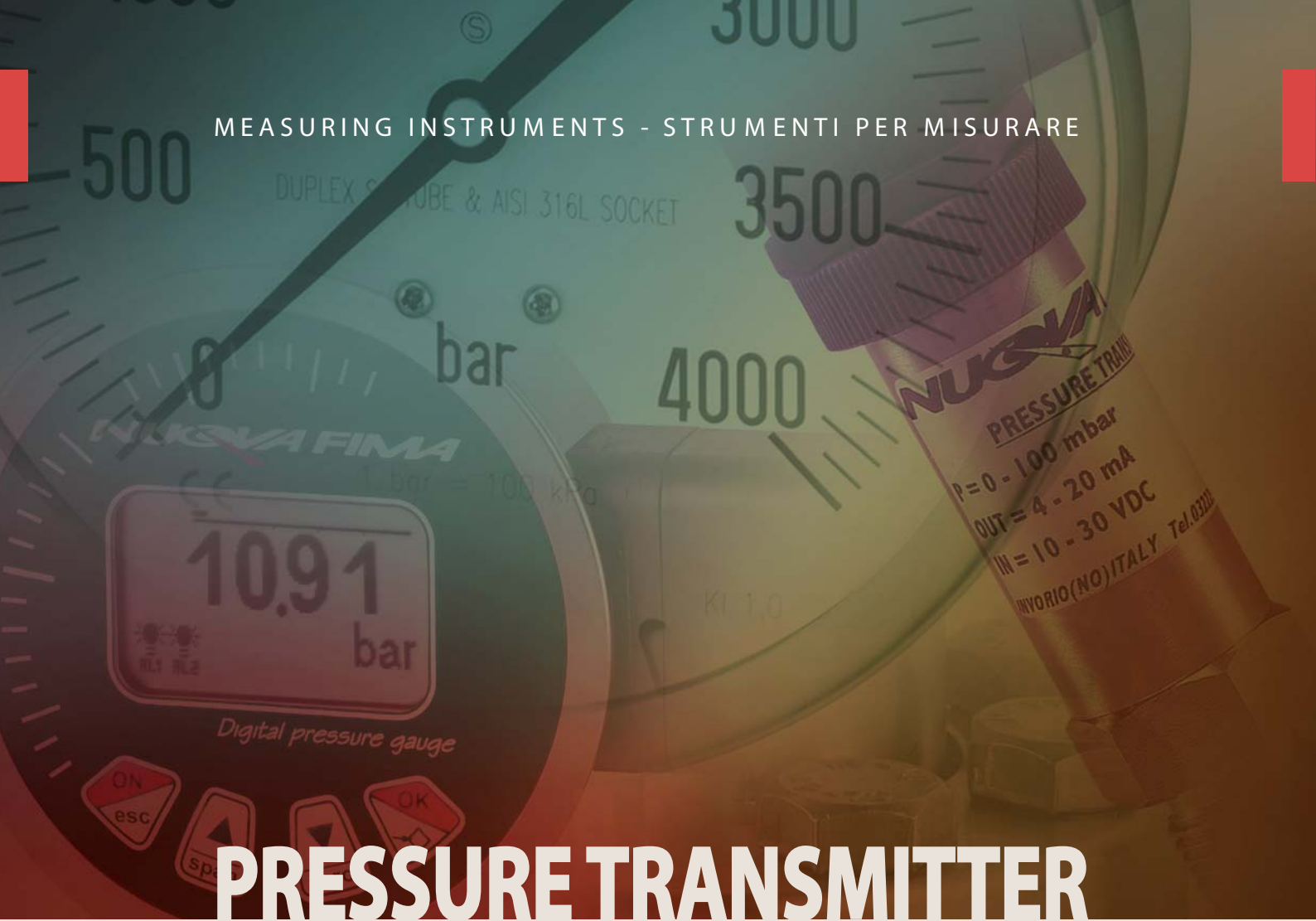


MEASURING INSTRUMENTS - STRUMENTI PER MISURARE



PRESSURE TRANSMITTER

NUOVA FIMA

pressure transmitter with local readout DS 4" (100mm)



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU



Ranges: from 0...15 to 0...20000 psi
(from 0...1 to 0...1600 bar or equivalent units).

Accuracy (% FSV):
local readout, $\leq 0,5$;
transmitter, $\leq 0,25$ typical; $\leq 0,5$ max.

Working pressure:
100% of FSV for static pressure;
90% of FSV for pulsating pressure.

Over pressure limit: 30% of FSV.

Process fluid temperature: -13...+212 °F (-25...+100 °C);
14...+149 °F (-10...+65°C) when filled.

Output signals: for pressure ranges ≤ 8700 psi (600 bar) :
4...20 mA, 0...5 Vdc, 0...10 Vdc;

for pressure ranges > 8700 psi (600 bar) : 4...20 mA.

Calibration: limit-point as per DIN 16086.

Zero calibration: ± 10 % span typical.

Span calibration: ± 10 % span typical.

Compensated temperature range: 14...+176 °F; (-10...+80 °C).

Thermal drift: $\leq 0,011$ % span / °F.

Annual drift: $\leq 0,2$ % of span.

Supply and max load: see on page 2.

Response time (10...90%): < 3 ms.

8.M28.1 - Standard Model

Safety designation: S1 as per EN 837-2.

Electric connection: junction box as per VDE with exit for cables
 $\varnothing 0,27''...0,51''$ ($\varnothing 7...13$ mm).

Protection degree: IP 55 as per EN 60529/IEC 529.

Socket material: AISI 316L st.st.

Bourdon tube: AISI 316L st.st. seamless tube.

Case: stainless steel.

Ring: stainless steel, bayonet lock.

Window: tempered glass.

Movement: stainless steel with internal limit stops for minimum and maximum pressure.

Dial: aluminium, white with black markings.

Pointer: adjustable, aluminium, black.

Ambient temperature: -13...+149 °F (-25...+65 °C).

Special versions:

high overpressure: 200% of FSV for pressure ranges ≤ 3000 psi (250 bar), accuracy of local readout $\leq 1,0$ % of FSV.

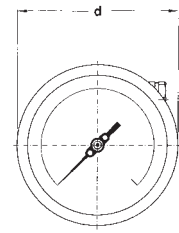
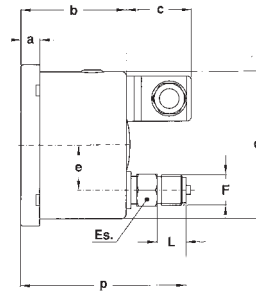
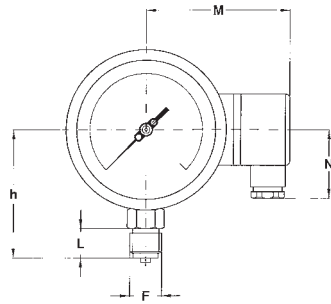
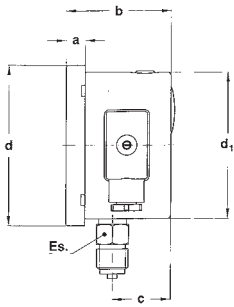
8.M28.3 - Filled Model

Filling liquid: dielectric oil.

Protection degree: IP 67 as per
EN 60529/IEC 529.

Ambient temperature: 14...+149 °F (-10...+65 °C).

Other features: as Standard Model.



A - LOWER CONNECTION

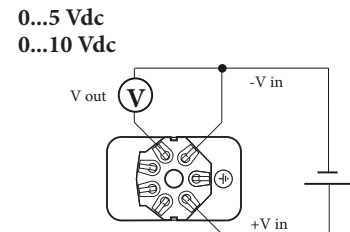
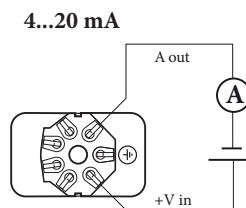
D - BACK CONNECTION

Mounting	F	a	b	c	d	d ₁	e	h	p	ES	L	N	M	Weight (1)
Lower	41M - G 1/2 A	0.51"	2.85"	1.57"	4.35"	3.97"		3.48"	4.47"	0.86"	0.78"	1.35"	3.55"	1.67 lbs
	43M - 1/2-14 NPT	(13)	(72,3)	(40,1)	(110,6)	(101)		(88,5)	(113,7)	(22)	(20)	(34,5)	(90,4)	(0,76 kg)
Back	41M - G 1/2 A	0.51"	2.85"	1.33"	4.35"	3.97"	1.22"	3.28"	4.20"	0.86"	0.51"			1.69 lbs
	43M - 1/2-14 NPT	(13)	(72,3)	(34)	(110,6)	(101)	(31)	(83,5)	(106,7)	(22)	(13)			(0,77 kg)

dimensions : inches (mm)

(1) add 0.85 lbs (0,339 kg), when filled

Output signal	4...20 mA	0...5 Vdc	0...10 Vdc
N. wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-10)/0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$
Supply: +Vin	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		



OPTIONS

CRP - CR gasket, for pressure ranges $\leq 1500 \text{ psi}$ (100 bar); process fluid temperature: $-40...+176 \text{ }^\circ\text{F}$ ($-40...+85^\circ\text{C}$)
EPD - EPDM gasket, for pressure ranges $\leq 1500 \text{ psi}$ (100 bar); process fluid temperature: $-40...+212 \text{ }^\circ\text{F}$ ($-40...+100^\circ\text{C}$)
NBR - NBR gasket; process fluid temperature: $-13...+176 \text{ }^\circ\text{F}$ ($-25...+85^\circ\text{C}$)
FPM - VITON gasket; for pressure ranges $\leq 8500 \text{ psi}$ (600 bar); process fluid temperature: $-4...+212 \text{ }^\circ\text{F}$ ($-20...+100^\circ\text{C}$)
C01 - Calibration certificate
L22 - Maximum pointer IP 65 on plexiglas window (2)

(1) Zero calibration not available.

(2) Accuracy refers to the area free from the maximum pointer action.

"HOW TO ORDER" SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Output signal / Gasket / Options
8 **M28** **1** **A** **E** **41M** **1** **CRP** **C01, L22**
3 **D** **43M** **4** **EPD**
5 **NBR**

pressure transmitter with local readout, for homogenizer DS 4" (100mm)



EMC 2014/30/EU
PED 2014/68/EU



74-06

Authorization NO. 1599

Ranges: from 0...1500 to 0...20000 psi, relative
(from 0...100 to 0...1600 bar or equivalent units).

Accuracy (% VFS): local readout, ≤ 1.0 (≤ 1.6 for pressure ranges > 8700 psi - 600 bar); transmitter, ≤ 0.5 .

Working pressure: 75% max of FSV.

Over pressure: not suitable.

Ambient temperature: 14...+149 °F (-10...+65 °C).

Process temperature: 14...+248 °F (-10...+120 °C).

Max 302°F (150 °C) for 1 hour during sterilization (S.I.P)¹.

Output signals: for pressure ranges ≤ 8700 psi (600 bar) :
4...20 mA, 0...5 Vdc, 0...10 Vdc;
for pressure ranges > 8700 psi (600 bar) : 4...20 mA.

Sensor calibration : limit-point as per DIN 16086.

Zero calibration: ± 10 % span typical.

Span calibration: ± 10 % span typical.

Compensated temperature range: 14...+176 °F; (-10...+80 °C).

Thermal drift: ≤ 0.011 % span / °F ($\leq 0,02$ % span/ °C).

Annual drift: $\leq 0,2$ % of span.

Supply and max load: see on page 2.

These types of sensors are intended for Manual (COP) Cleaning.

1) S.I.P. = Steamed In Place

8.MOM.1 - Standard Model

Designation code: S1 as per EN 837-2.

Electric connection: junction box as per VDE with exit for cables $\varnothing 0.27...0.51$ " (7...13mm).

Sensor: ceramic thick film or stainless steel thin film.

Protection degree: IP 55 as per EN 60529/IEC 529.

Diaphragm: AISI 316L st.st.

Diaphragm seal: AISI 316L st.st. with finishing $Ra \leq 0,8 \mu m$ (welded parts included).

Bourdon tube: AISI 316L st.st. seamless tube.

Ring: stainless steel, bayonet lock.

Window: tempered glass.

Movement: stainless steel.

Dial: aluminium, white with black markings.

Pointer: adjustable, aluminium, black.

8.MOM.3 - Filled Model

Filling liquid: dielectric oil.

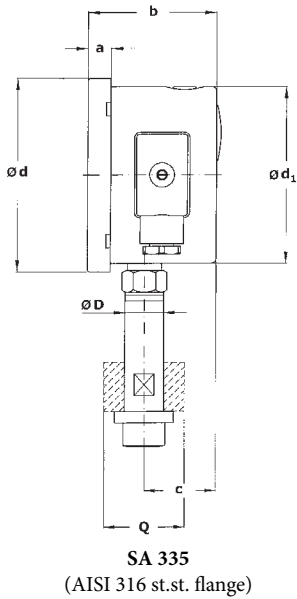
Protection degree: IP 67 as per EN 60529/IEC 529.

Other features: as standard model.

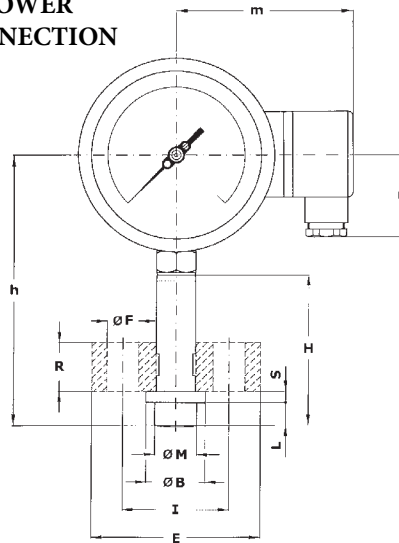
**pressure transmitter with local readout,
for homogenizer, DS 4" (100mm)**

MT OM

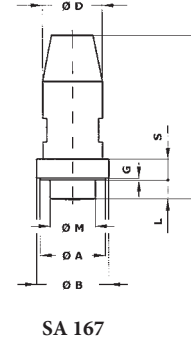
RC6-02/16



A - LOWER CONNECTION



a	b	c	d	d ₁	h	m	n
0.51" (13)	2.84" (72,3)	1.59" (40,6)	4.35" (110,6)	3.97" (101)	6.08" (154,5)	3.66" (93,1)	1.85" (47)

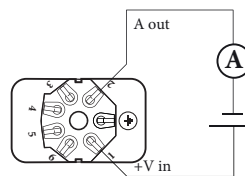


Drawing	Ø D	Ø M	Ø A	Ø B	H	S	G	L	Es	E	Ø F	I	R	Q	T	Weight
335 SA 335	0.86" (22)	0.95" (23,5)		1.30" (33,3)	3.38" (86)	0.33" (8,5)		0.51" (13)		3.74" (95)	0.70" (18)	2.36" (60)	1.10" (28)	1.77" (45)		4.01 lbs (1,82 kg)
167 SA 167	1.22" (31)	0.95" (23,5)	1.33" (34)	1.47" (37,5)	3.38" (86)	0.43" (11)	0.04" (1)	0.39" (10)								2.84 lbs (1,29 kg)

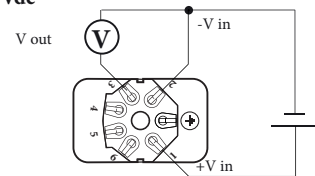
dimensions : inches (mm)

Output signals	4...20 mA	0...5 Vdc	0...10 Vdc
	1	4	5
Nr. of wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-10)/0,02$	$R_L \geq 5 K\Omega$	$R_L \geq 10 K\Omega$
Supply: +Vin	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		

4...20 mA



0...5 Vdc
0...10 Vdc



OPTIONS

C01 - Calibration report
S35 - Process connection dwg. SA 335, without flange
T31 - Plexiglas window

“HOW TO ORDER” SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Output signal / Options

8 MOM 1 A E 335 1 C01
3 167 4 S35
5 T31

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pressure transmitter with ceramic sensor, accuracy 0,5%



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU



The ST1 model is a compact electronic transmitter with ceramic sensor for air, industrial and technical gases, water and oil.

8.ST1

Measuring ranges: 0...1/0...600 bar, relative; -1...0/-1...+24 bar, relative.

Output signals: 4...20 mA, 0...5 Vcc, 0...10 Vcc, 1...5 Vcc, 0,5...4,5 Ratiometric Vcc.

Non-linearity (BFSL): $\leq \pm 0,25$ % of the range, according to IEC 61298-2.

Non-repeatability: $\leq 0,1$ % of the range, according to IEC 61298-2.

Accuracy: $\leq \pm 0,5$ % of the range ⁽¹⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: $\leq 0,1$ % of span.

Process fluid temperature: -25...+100 °C.

Ambient temperature: -25...+85 °C.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326,
(group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: ceramic in Al₂O₃.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽³⁾.

Process connection: in AISI 316L, hole \varnothing 2,5 mm (with restrictor \varnothing 0,7 mm for measuring ranges \geq 60 bar).

Weight: 0,14 kg

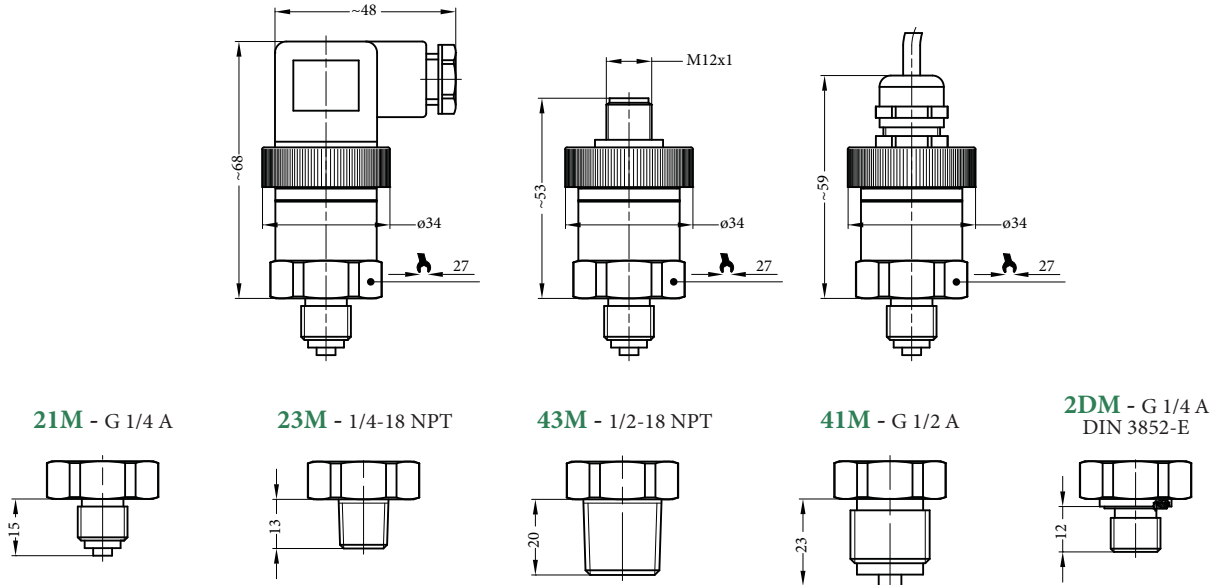
Ranges bar, relative	Overpressure bar, relative
0...1	5
0...1,6	5
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	500
0...400	600
0...600	800

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy $\leq \pm 0,75$ % of span for measuring ranges 0...1 bar and 0...600 bar.

(2) + 0,5% of span for measuring range 1 bar

(3) with properly assembled electric connection



Tightening torque 20...30 Nm

Output signals	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5	1...5 Vdc 8	0,5...4,5 Vdc ratiometric - R
N. of wires	2	3	3	3	3
Load max (Ohm)	$R_L \leq (U_b - 8)/0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 4,5 \text{ K}\Omega$
Supply: U_b (Vdc)	8...30	8...30	14...30	8...30	5 ±10%
Absorbed current (mA)	< 25	< 10	< 10	< 10	< 10

Other output signals available on request. All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.

WIRING

Cod.	EN 175301-803 A		M12 x 1		Cable exit	
	12G	123	132	134	MBG	MBV
N. of wires	2	3	2	3	2	3
Supply connection: U_b	1	1	1	1	brown	brown
Negative connection: 0V	2	2	3	3	white	white
Signal: S +	-	3	-	4	-	green
Ground	GND	GND	2	2	grey	grey

OPTIONS

--- Electric connection EN 175301-803 A	EPD - EPDM gasket for sensor
M12 - Electric connection M12 x 1, 4 poles	NBR - NBR gasket for sensor ⁽¹⁾
PVC - Electric connection with 1 mt PVC cable	C01 - Calibration certificate
FPM - FPM gasket for sensor ⁽¹⁾	VS3 - Restrictor ø 0,3 mm
CRP - CR gasket for sensor	

(1) Available for process connection DIN 3852-E.

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Electric connection / Wiring / Gasket / Options	
8 ST1	21M 1 --- 12G...134 FPM C01...VS3
	2DM 4 M12 MBG, MBV CRP
	23M 5 PVC EPD
	41M 8 NBR
	43M R

pressure transmitter with piezoresistive sensor, accuracy 0,35%



Compliant to directives
EMC EMC 2014/30/EU - PED 2014/68/EU - RoHS 2002/95/EU

The ST2 model is a compact electronic transmitter with piezoresistive sensor with excellent linearity, for air, industrial and technical gases, water, oil and process media compatible with AISI 316.

8.ST2

Measuring ranges: 0...0,1/0...1000 bar, relative; -1...0/-1...+24 bar, relative; 0...1/0...25 bar, absolute.

Output signals: 4...20 mA, 0...5 Vcc, 0...10 Vcc, 1...5 Vcc, 0,5...4,5 Ratiometric Vcc.

Non-linearity (BFSL): $\leq \pm 0,175$ % of the range, according to IEC 61298-2.

Non-repeatability: $\leq 0,1$ % of the range, according to IEC 61298-2.

Accuracy: $\leq \pm 0,35$ % of the range ⁽¹⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: $\leq 0,1$ % of span.

Process fluid temperature: -25...+100 °C.

Ambient temperature: -25...+85 °C.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: piezoresistive, silicon oil.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽³⁾.

Process connection: in AISI 316L, hole \varnothing 2,5 mm (with restrictor \varnothing 0,7 mm for measuring ranges \geq 60 bar).

Weight: 0,14 kg

(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1).

(2) + 0,5% of span for measuring range \leq 0,6 bar

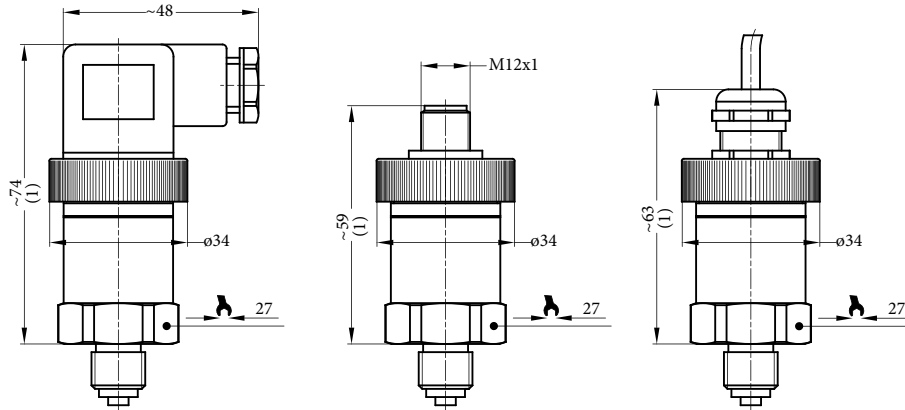
(3) with properly assembled electric connection

Ranges bar, relative	Overpressure bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	380
0...400	600
0...600	900
0...1000	1500

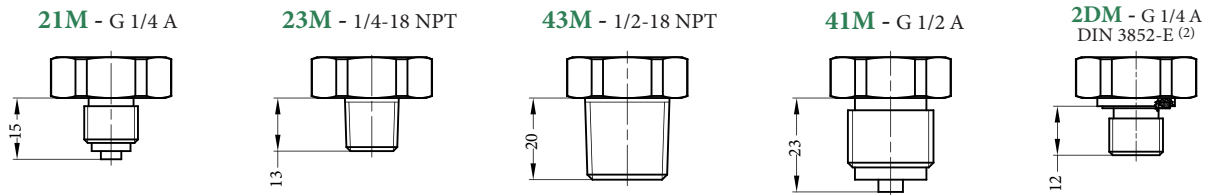
Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

pressure transmitter with piezoresistive sensor, accuracy 0,35%

ST2



Dimensions: mm; (1) for pressures ≥ 160 bar add 5 mm



Torque 20...30 Nm; (2) process connection DIN 3852-E for pressures ≤ 600 bar

Output signals	4...20 mA	0...5 Vdc	0...10 Vdc	1...5 Vdc	0,5...4,5 Vdc ratiometric - R
N. of wires	2	3	3	3	3
Load max (Ohm)	$R_L \leq (U_b - 8)/0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 4,5 \text{ K}\Omega$
Supply: +Ub (Vdc)	8...30	8...30	14...30	8...30	5 \pm 10%
Absorbed current (mA)	< 25	< 10	< 10	< 10	< 10

Other output signals available on demand. All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.

WIRING

Cod.	EN 175301-803 A		M12 x 1		Cable exit	
	12G	123	132	134	MBG	MBV
N. of wires	2	3	2	3	2	3
Supply connection: Ub	1	1	1	1	brown	brown
Negative connection: 0V	2	2	3	3	white	white
Signal: S +	-	3	-	4	-	green
Ground	GND	GND	2	2	grey	grey

OPTIONS

--- Electric connection EN 175301-803 A	EPD - EPDM gasket for sensor
M12 - Connector M12 x 1, 4 poles	NBR - NBR gasket for sensor ⁽¹⁾
PVC - Cable exit, with 1 mt PVC cable	CO1 - Calibration certificate
FPM - FPM gasket for sensor ⁽¹⁾	A02 - Accuracy $\leq \pm 0,25\%$ of the range ⁽²⁾
CRP - CR gasket for sensor	VS3 - Restrictor $\varnothing 0,3$ mm for pressure range 60 bar

(1) Available for process connection DIN 3852-E.

(2) Non-Linearity (BFSL) $\leq \pm 0,125\%$ of span; for measuring ranges ≤ 60 bar

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Electric connection / Wiring / Gasket / Options

8 ST2 21M 1 --- 12G...134 FPM CO1...VS3
 2DM 4 M12 MBG. MBV CRP
 23M 5 PVC EPD
 41M 8 NBR
 43M R

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-2-

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RCS - 01/15
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pressure transmitter with piezoresistive sensor, accuracy 0,35%



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU

The ST9 model is an electronic transmitter with piezoresistive sensor with excellent linearity, with adjustable zero and span, for air, industrial and technical gases, water, oil and process media compatible with AISI 316. When assembled to diaphragm seals, it measures the pressure of corrosive, highly viscous and hot fluids.

8.S09

Measuring ranges: 0...0,1/0...1000 bar, relative; -1...0/-1...+24 bar, relative; 0...1/0...25 bar, absolute.

Output signal: 4...20 mA.

Non-linearity (BFSL): $\leq \pm 0,175$ % of the range, according to IEC 61298-2.

Non-repeatability: $\leq 0,1$ % of the range, according to IEC 61298-2.

Accuracy: $\leq \pm 0,35$ % of the range ⁽¹⁾.

Zero and span adjustment: ± 10 % span typical.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: $\leq 0,2$ % of span.

Process fluid temperature: -25...+100 °C.

Ambient temperature: -25...+85 °C.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: piezoresistive, silicon oil.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽³⁾.

Process connection: in AISI 316L, hole \varnothing 2,5 mm (with restrictor \varnothing 0,7 mm for measuring ranges ≥ 60 bar).

Weight: 0,23kg

(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1).

(2) + 0,5% of span for measuring range $\leq 0,6$ bar

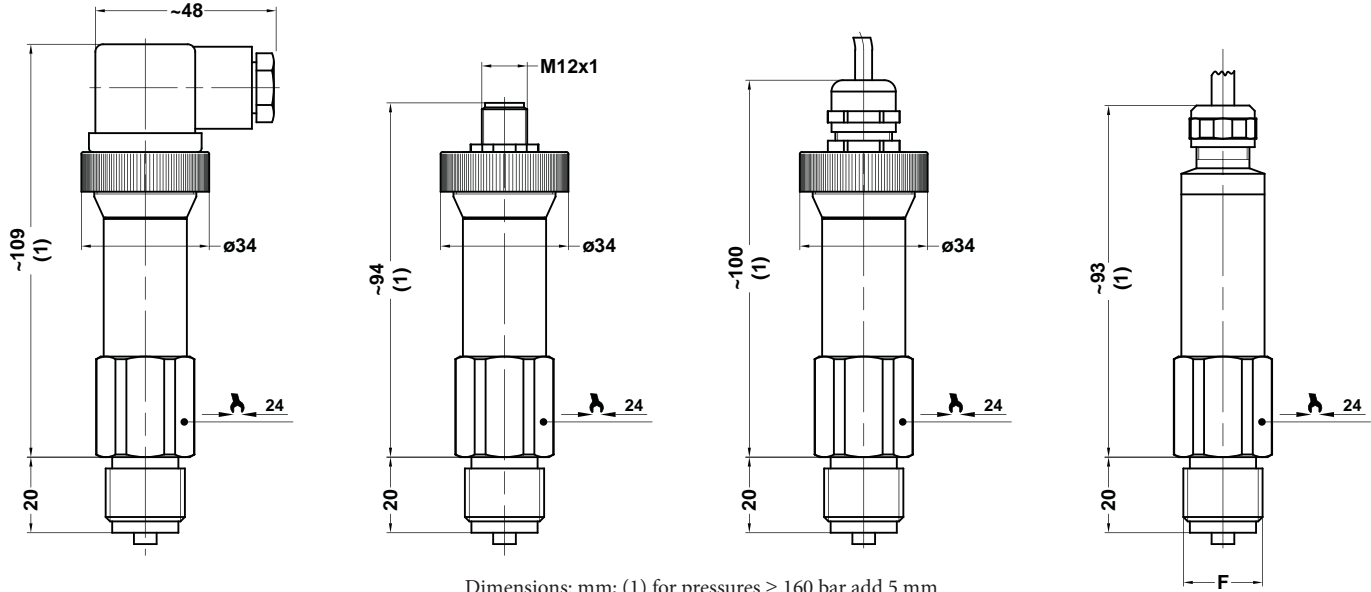
(3) with properly assembled electric connection

Ranges bar, relative	Overpressure bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	380
0...400	600
0...600	900
0...1000	1500

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

Output signal	4...20 mA 1
N. wires	2
Load (Ohm)	$R_L \leq (U_b - 10)/0,02$
Supply: +Ub	10...30

Other output signals available on demand. All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.



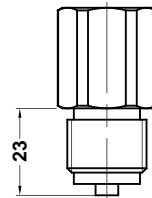
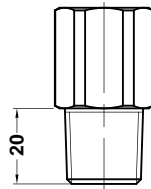
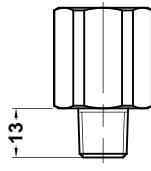
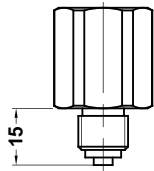
Dimensions: mm; (1) for pressures ≥ 160 bar add 5 mm

21M - G 1/4 A

23M - 1/4-18 NPT

43M - 1/2-18 NPT

41M - G 1/2 A



Torque 20...30 Nm

WIRING

	DIN 175301-803 A	M12 x 1	Cable exit
N. of wires	2	2	2
Supply connection: Ub+	1	1	brown
Negative connection; 0V-	2	3	white
Output signal: S+	-	-	-
Ground	GND	2	grey

OPTIONS

M12 - Connector M12 x 1, 4 poles	EPD - EPDM gasket for sensor
PVC - Cable exit, with 1 mt PVC cable	NBR - NBR gasket for sensor
U68 - Cable exit IP68, with 1 mt polyurethane cable	C01 - Calibration certificate
FPM - VITON gasket for sensor	A02 - Accuracy $\leq \pm 0,25\%$ of the range ⁽¹⁾
CRP - CR gasket for sensor	VS3 - Restrictor $\varnothing 0,3$ mm

(1) Non-Linearity (BFSL) $\leq \pm 0,125\%$ of span; for measuring ranges ≤ 60 bar

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Electric connection / Gasket / Options
 8 S09 41M 1 --- FPM C01...VS3
 21M M12 CRP
 PVC EPD
 U 68 NBR



pressure transmitter with ceramic sensor, accuracy 0,5%



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU

The ST18 model is an electronic transmitter with ceramic sensor, with adjustable zero and span, for air, industrial and technical gases, water and oil. When assembled to diaphragm seals, it measures the pressure of corrosive, highly viscous and hot fluids.

8.ST18

Measuring ranges: 0...1/0...600 bar, relative; -1...0/-1...+24 bar, relative;
0...1/0...25 bar, absolute.

Output signals: 4...20 mA, 0...5 Vcc, 0...10 Vcc.

Non-linearity (BFSL): $\leq \pm 0,25$ % of the range, according to IEC 61298-2.

Non-repeatability: $\leq 0,1$ % of the range, according to IEC 61298-2.

Accuracy: $\leq \pm 0,5\%$ of the range ⁽¹⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: $\leq 0,1$ % of span.

Zero and span adjustment: ± 10 % span typical.

Process fluid temperature: -25...+100 °C.

Ambient temperature: -25...+85 °C.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326,
(group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: ceramic in Al₂O₃.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽³⁾.

Process connection: in AISI 316L, hole \varnothing 2,5 mm (with restrictor \varnothing 0,7 mm for measuring ranges ≥ 60 bar).

Weight: 0,18 kg

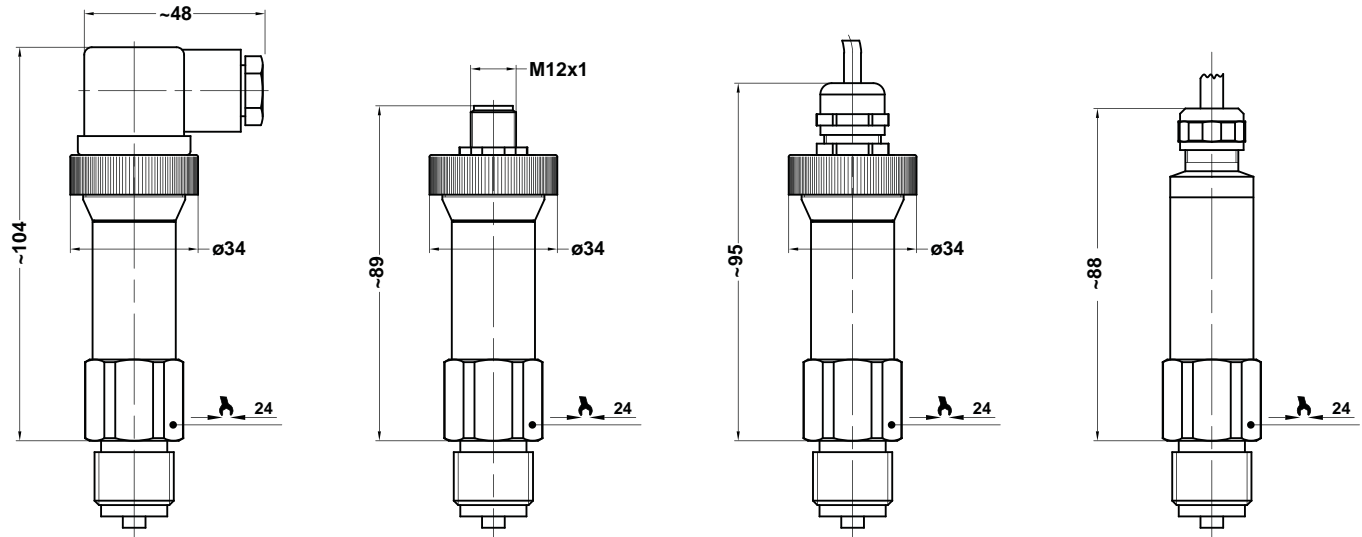
Ranges bar, relative	Overpressure bar, relative
0...1	5
0...1,6	5
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	500
0...400	600
0...600	800

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

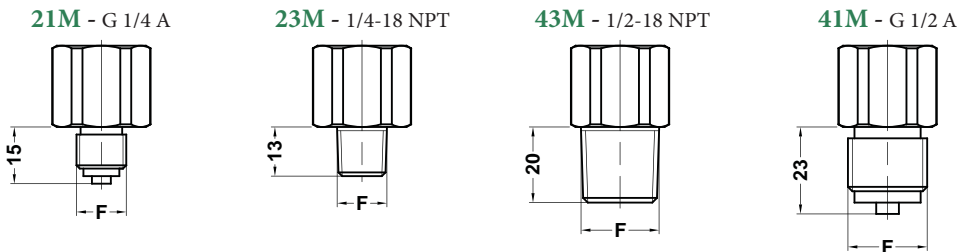
(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy $\leq \pm 0,75\%$ of span for measuring ranges 0...1 bar and 0...600 bar.

(2) + 0,5% of span for measuring range 1 bar

(3) with properly assembled electric connection



Torque 20...30 Nm



Output signals	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5
N. of wires	2	3	3
Load max (Ohm)	$R_L \leq (U_b - 8) / 0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$
Supply: +Ub (Vdc)	8...30	8...30	14...30
Absorbed current (mA)	< 25	< 10	< 10

All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.

WIRING

N. of wires	DIN 175301-803 A		M12 x 1		Cable exit	
	2	3	2	3	2	3
Supply connector: Ub	1	1	1	1	brown	brown
Negative connector: 0V	2	2	3	3	white	white
Signal: S +	-	3	-	4	-	green
Ground	GND	GND	2	2	grey	grey

OPTIONS

M12 - Connector M12 x 1, 4 poles	EPD - EPDM gasket for sensor
PVC - Cable exit, with 1 mt PVC cable	NBR - NBR gasket for sensor
U68 - Cable exit IP68, with 1 mt polyurethane cable	C01 - Calibration certificate
FPM - FPM gasket for sensor	VS3 - Restrictor ø 0,3 mm
CRP - CR gasket for sensor	

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Gasket / Options
8 S18 **41M** **1** **FPM** **C01...VS3**
 43M **4** **CRP**
 21M **5** **EPD**
 23M **NBR**

ceramic pressure transmitter flush diaphragm 0,5% accuracy



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU



8.SMA/LC

Ranges: 0...0,1 / 0...600 bar, relative.
Output signals: 4...20 mA, 0...5 Vcc, 0...10 Vcc.
Non-linearity (BFSL): ≤ 0,25% of span as per IEC 61298-2.
Non-repeatability: ≤ 0,1% of span as per IEC 61298-2.
Accuracy : ≤ ± 0,5 of span ⁽¹⁾.
Annual drift: ≤ 0,2 % of span.
Zero calibration and span calibration: ± 5 % span typical.
Process fluid temperature: -22...+212 °F (-30...+100 °C); -22...+302°F (-30...+150 °C) for version with heat dissipator cod. **8.SMA...TA3**.
Ambient temperature: -13...+185 °F (-20...+85 °C).
Storage temperature : -40...+185 °F (-40...+100 °C).
Response time: < 10ms (adjustment); < 150ms (power on).
Emission and immunity standard: as per IEC61326, (group 1 - B class; industrial application).
Vibration resistence: 20g (10...2000 Hz, as per IEC m60068-2-6).
Shock resistence: 40g (6ms, as per IEC m60068-2-27).
Sensor: ceramic.
Case: stainless steel, vented for pressure ranges ≤ 230 psi (≤ 16 bar).
Protection degree: IP 65 as per EN 60529 ⁽²⁾.
Process connection: AISI 316L st.st. as per DIN 3852.
Diaphragm: AISI 316L st.st.
Sealing: see the available sealings at page 2.
Filling liquid: silicon oil.
Weight: G 1/2: 0,2 kg; G 1: 0,3 kg.

Ranges bar, relative (1)	Thermal drift ≤ % span / °C (average)		Overpressure bar, relative
	G 3/4 B	G 1/2 B	
0...1	0,10		2,5
0...1,6	0,08		5
0...2,5	0,06		5
0...4	0,05		8
0...6	0,04		12
0...10		0,04	20
0...16		0,03	32
0...25		0,02	50
0...40		0,02	80
0...60		0,02	120
0...100		0,02	200
0...160		0,02	320
0...250		0,02	500
0...400		0,02	600
0...600		0,02	600

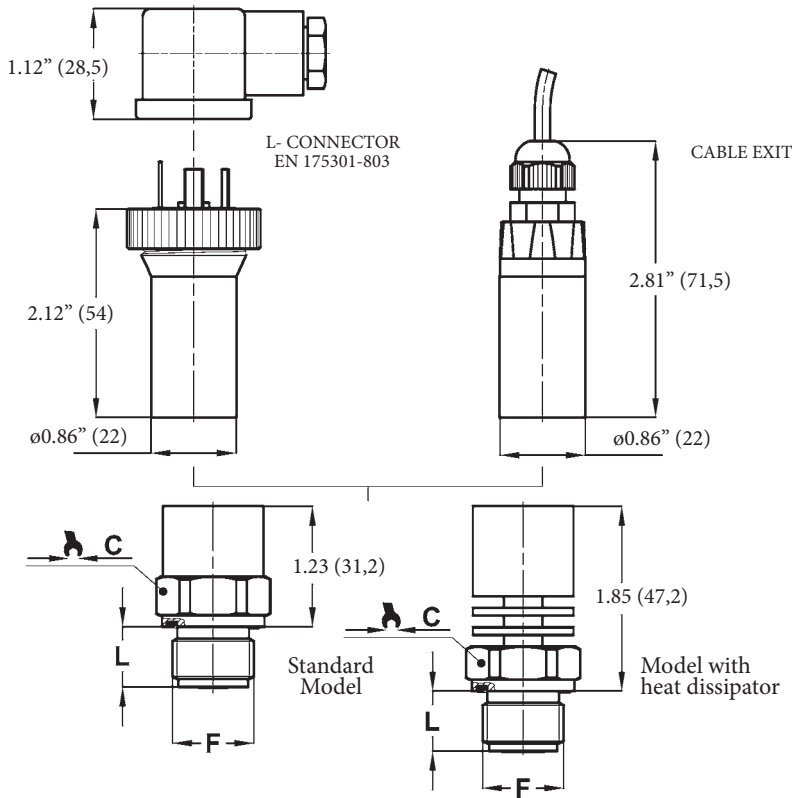
(1) Other unit of measurement and intermediate ranges are available, as requested by customer.

(1) Max error of measurement as per IEC61298-2, non-linearity and hysteresis included (extreme values calibration according to standard IEC 61298-1 when in vertical position)
(2) With properly assembled power connection.

ceramic pressure transmitter
flush diaphragm, 0,5% accuracy

ST MA/LC

RG-06/16



F	L	C
41M G 1/2 A	0.62" (16)	1.06" (27)
51M G 3/4 A	0.64" (16,5)	1.25" (32)

dimensions : inches (mm)

Output signals	4...20 mA	0...5 Vdc	0...10 Vdc
	1	4	5
N. of wires	2	3	3
Load max (Ohm)	$R_L \leq (U_b - 8)/0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$
Supply: +Ub (Vdc)	8...30	8...30	14...30
Absorbed current (mA)	< 25	< 10	< 10

All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.

WIRING

	DIN 175301-803 A		M12 x 1		Cable exit	
N. of wires	2	3	2	3	2	3
Supply connector: Ub	1	1	1	1	brown	brown
Negative connector: 0V	2	2	3	3	white	white
Signal: S +	-	3	-	4	-	green
Ground	GND	GND	2	2	grey	grey

OPTIONS

FPM - Sealing FPM (-20...+150 °C)	C01 - Calibration report
NBR - Sealing NBR (-30...+100 °C)	PVC - Electrical connection with cable gland with PVC cable
EPD - Sealing EPDM (-30...+150 °C)	U68 - Electrical connection with cable gland with PUR cable (3)

(1) max 300 bar per T.p. > 100°C

(2) max 200 bar

(3) Zero adjustment not available

“HOW TO ORDER” SEQUENCE

Section / Model / Special versions / Range / Process connection / Output signal / Gasket / Options
8 SMA --- 41M 1 FPM C01...U68
TA3 51M 4
5



IN ORDER TO IMPROVE THEIR PRODUCTION, MESSRS. NUOVA FIMA RESERVE THE RIGHT TO THEMSELVES TO MAKE ALL THE MODIFICATIONS THAT THEY DEEM INDISPENSABLE AT ANY TIME. UPDATED DATA SHEETS ARE AVAILABLE ON SITE: www.nuovafima.com

piezoresistive pressure transmitter flush diaphragm, double sealing, 0,5% accuracy



CE Compliance with requirements of directives:
EMC 2014/30/CE - PED 2014/68/UE - RoHS 2011/65/UE



8.SMA/DG

Ranges: 0...0,1 / 0...600 bar, relative; -0,4...0/-1...+24 bar, relative;
0...0,4/0...16 bar, absolute

Output signals: 4...20 mA.

Non-linearity (BFSL): ≤ 0,25% of span as per IEC 61298-2.

Non-repeatability: ≤ 0,1% of span as per IEC 61298-2.

Accuracy : ≤ ± 0,5 of span ⁽¹⁾.

Annual drift: ≤ 0,2 % of span.

Zero calibration and span calibration: ± 5 % span typical.

Process fluid temperature: -22...+212 °F (-30...+100 °C).

Ambient temperature: -13...+185 °F (-20...+85 °C).

Storage temperature : -40...+185 °F (-40...+100 °C).

Response time: < 10ms (adjustment); < 150ms (power on).

Emission and immunity standard: as per IEC61326, (group 1 - B class; industrial application).

Vibration resistance: 20g (10...2000 Hz, as per IEC m60068-2-6).

Shock resistance: 40g (6ms, as per IEC m60068-2-27).

Sensor: piezoresistive.

Case: stainless steel, vented for pressure ranges ≤ 230 psi (≤ 16 bar).

Protection degree: IP 65 as per EN 60529 ⁽²⁾.

Process connection and diaphragm: AISI 316L st.st.

Sealing: double, for a safer tight (see the available sealings at page 2)

Filling liquid: silicon oil.

Weight: G 1/2: 0,2 kg; G 1: 0,33 kg.

Ranges bar, relative (1)	Thermal drift ≤ % span / °C (average)		Overpressure bar, relative
	G 1 B	G 1/2 B	
0...0,1	0,04		0,3
0...0,16	0,04		0,5
0...0,25	0,04		0,8
0...0,4	0,03		1,2
0...0,6	0,03		1,8
0...1	0,03		2
0...1,6	0,03		3,2
0...2,5		0,03	5
0...4		0,03	8
0...6		0,03	12
0...10		0,02	20
0...16		0,02	32
0...25		0,02	50
0...40		0,02	80
0...60		0,02	120
0...100		0,02	200
0...160		0,02	320
0...250		0,02	500
0...400		0,02	600
0...600		0,02	600

(1) Other ranges available on demand.

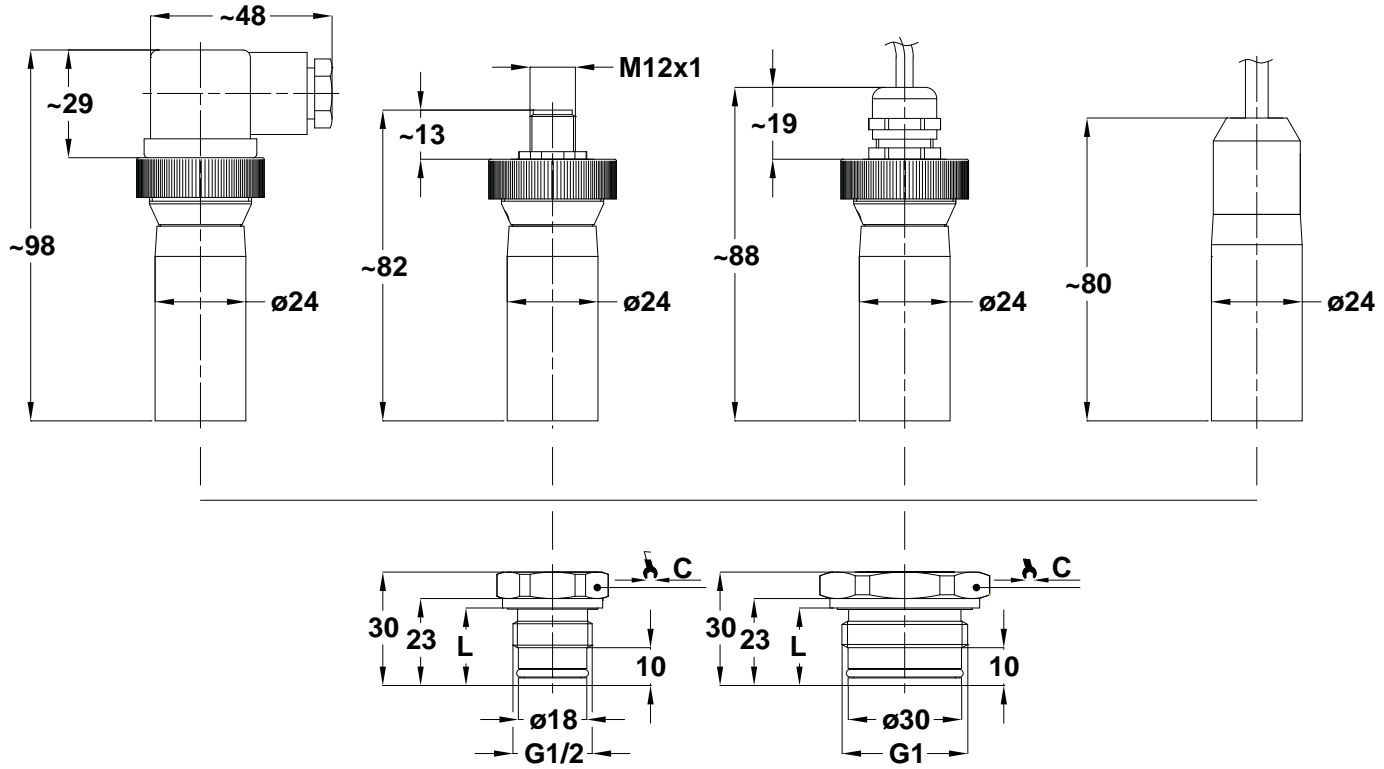
(1) Max error of measurement as per IEC61298-2, non-linearity and hysteresis included (extreme values calibration according to standard IEC 61298-1 when in vertical position)

(2) With properly assembled power connection.

piezoresistive pressure transmitter
flush diaphragm, double sealing, 0,5% accuracy

ST MA/DG

Rg-09/16



IN ORDER TO IMPROVE THEIR PRODUCTION, MESSRS. NUOVA FIMA RESERVE THE RIGHT TO THEMSELVES TO MAKE ALL THE MODIFICATIONS THAT THEY DEEM INDISPENSABLE AT ANY TIME. UPDATED DATA SHEETS ARE AVAILABLE ON SITE: www.nuovafima.com

Output signals	4...20 mA 4...20 mA
N. of wires	2
Load max (Ohm)	$R_L \leq (U_b - 8) / 0,02$
Supply: +Ub (Vdc)	10...30
Absorbed current (mA)	< 25

F	L	C
41M G 1/2 A	0.62" (20,5)	1.06" (27)
61M G 1 A	0.64" (20,5)	1.25" (41)

dimensions : inches (mm)

All output signals are provided of protection against short circuit and polarity inversion. Insulation tension 500 Vdc.

WIRING

	DIN 175301-803 A	M12 x 1	Cable exit
N. of wires	2	2	2
Supply connector: Ub	1	1	brown
Negative connector: 0V	2	3	white
Signal: S +	-	-	-
Ground	GND	2	grey

OPTIONS

FPM - Sealing FPM (-20...+150 °C)	(1)	C01 - Calibration report
NBR - Sealing NBR (-30...+100 °C)		PVC - Electrical connection with cable gland with PVC cable
EPD - Sealing EPDM (-30...+150 °C)	(2)	U68 - Electrical connection with cable gland with PUR cable (3)

(1) max 300 bar per T.p. > 100°C

(2) max 200 bar

(3) Zero adjustment not available

“HOW TO ORDER” SEQUENCE

Section / Model / Special versions / Range / Process connection / Output signal / Gasket / Options

8 SMA --- 41M 1 FPM C01...U68
 TA3 51M 4
 5



pressure transmitter for food industry and sanitary applications



74-06

Authorization NO. 1599



PED 2014/68/EU
EMC 2014/30/EU

8.SSA

Ranges: 0...10/0...600 *psi*, relative (0...0,6/0...40 bar, relative);
-30"...0/-30"...350 *psi*, relative (-1...0/-1...+24 bar, relative);
0...10/0...200 *psi*, absolute (0...0,6/0...16 bar, absolute)

Output signals: 4...20 mA, 0...5 Vdc ⁽¹⁾, 0...10 Vdc ⁽¹⁾.

Non-linearity (BFSL): ≤ ± 0,25 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,1 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,5% of the range ⁽²⁾.

Long term drift: ≤ 0,2 % of span.

Zero and span adjustment: ± 10 % span typical.

Process fluid temperature: 14...+185 °F (-10...+85 °C); 14...+302 °F (-10...+150 °C) for high temperature model cod. **8.SSA...TA3**.

Ambient temperature: 14...+185 °F (-10...+85 °C).

Stocking temperature: 14...+185 °F (-10...+85 °C)

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: piezoresistive for ranges ≤ 23 *psi* (1,6 bar); ceramic for ranges > 23 *psi* (1,6 bar).

Case: stainless steel, vented for pressure ranges ≤ 230 *psi* (≤ 16 bar).

Protection degree: IP 65 as per EN 60529/IEC 529 ⁽³⁾.

Process connection and diaphragm: AISI 316L st.st., with finishing Ra ≤ 0,8 μm (welded parts included).

Seal fill: oil for food service (FDA).

(1) Available with ceramic sensor only

(2) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1).

(3) with properly assembled electric connection

Ranges psi, relative (1)	Overpressure psi, relative	Thermal drift % span / °F (2)
0...10	36	0.03
0...15	45	0.03
0...25	72	0.02
0...30	72	0.02
0...60	145	0.01
0...100/0...160	290	0.01
0...200	580	0.01
0...300	580	0.01
0...600	1450	0.01

(1) Other unit of measurement, intermediate ranges, vacuum and compound ranges are available, as requested by customer.

(2) Thermal drift on connection DIN 11851 DN40F.

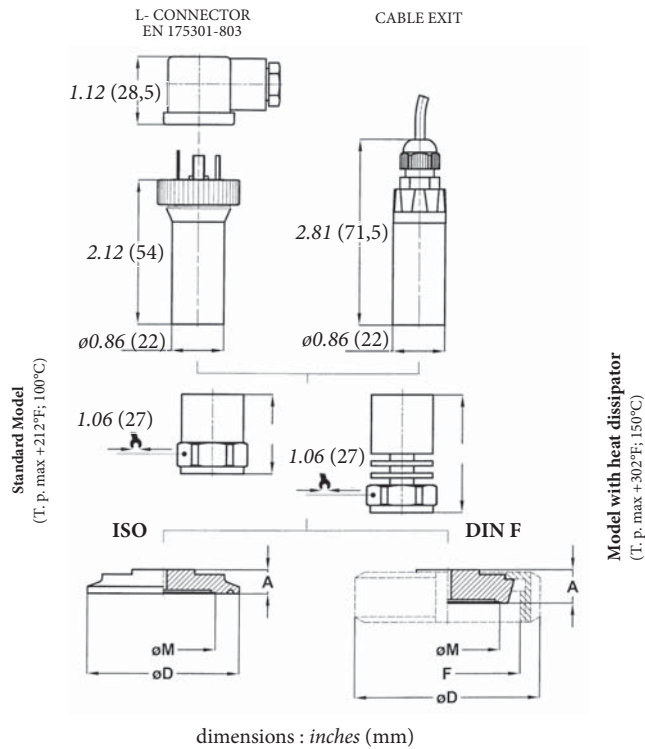
Ranges bar, relative (1)	Overpressure bar, relative	Thermal drift % span / °C (2)
0...0,6	2,5	0,05
0...1	3	0,05
0...1,6	5	0,04
0...2,5	5	0,04
0...4	10	0,02
0...6/0...10	20	0,02
0...16	40	0,02
0...25/0...40	100	0,02

(1) Other unit of measurement, intermediate ranges, vacuum and compound ranges are available, as requested by customer.

(2) Thermal drift on connection DIN 11851 DN40F.

pressure transmitter, for food industry and sanitary applications

ST SA



Pn (bar)	H	Hd
≤ 1,6	1.42" (36,2)	2.05" (52,2)
> 1,6	1.23" (31,2)	1.86" (47,2)

Output signal	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5
N. of wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-8)/0,02$	$R_L \geq 5 K\Omega$	$R_L \geq 10 K\Omega$
Supply: +Vin	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		

OPTIONS

Model	Standard	With heat dissipator
C01 - Calibration report	♦	♦
PVC - Cable exit, with PVC cable (1)	♦	♦

(1) Zero calibration not available

“HOW TO ORDER” SEQUENCE

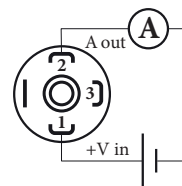
Section / Model / Special Version / Range / Process connection / Output signal / Options

8 SSA --- QHF...THF 1 C01
TA3 BIM 4 PVC
AT0...DT0 5

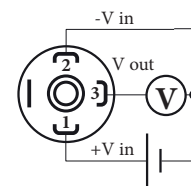
Standards	DN	A	øD	øM	F
QHF DIN 11851 F (1) (3)	25	0.62 (16)	2.48 (63)	0.95 (23,5)	Rd 52 x 1/6
SHF DIN 11851 F (1) (3)	40	0.62 (16)	3.07 (78)	1.73 (44)	Rd 65 x 1/6
THF DIN 11851 F (1) (3)	50	0.66 (17)	3.62 (92)	2.24 (57)	Rd 78 x 1/6
AT0 ISO 2852 (clamp) (2)	1" 1/2	0.39 (10)	1.98 (50,5)	1.33 (34)	
BT0 ISO 2852 (clamp) (2)	2"	0.39 (10)	2.51 (64)	1.73 (44)	
DT0 ISO 2852 (clamp) (2)	2" 1/2	0.39 (10)	3.05 (77,5)	2.24 (57)	

dimensions : inches (mm)

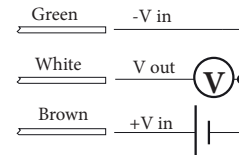
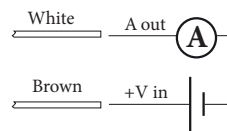
- (1) Execution without roller available on request: pls. contact our Technical Department.
- (2) Execution with clamp, gasket and connection to be welded available on request: pls. contact our Technical Department.
- (3) Gasket System from Siersema Componenten System (S.K.S.) B.V. or Kieslema ASEPTO-STAR k-flex gasket.



4...20 mA



0...5 Vdc
0...10 Vdc



level transmitter



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU

8.SLV

Measuring ranges: 0...0,1/0...25 bar, relative.

Output signals: 4...20 mA.

Non-linearity (BFSL): $\leq \pm 0,175$ % of the range, according to IEC 61298-2.

Non-repeatability: $\leq 0,1$ % of the range, according to IEC 61298-2.

Accuracy: $\leq \pm 0,35$ % of the range ⁽¹⁾.

Thermal drift: between 0 and 60°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: $\leq 0,2$ % of span.

Process fluid temperature: -10...+60 °C.

Stocking temperature: -10...+60 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326,
(group 1 - class B; industrial applications).

Sensor: piezoresistive, silicon oil.

Case: in AISI 316L.

Gasket: VITON (cod. **FPM**).

Electric connection: poliurethane cable, compensated (cod. **I**).

Protection degree: submersible.

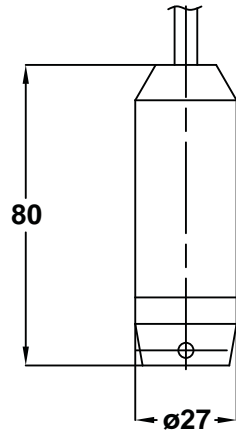
Weight: 0,30 kg

(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1).

(2) + 0,5% of span for measuring range $\leq 0,6$ bar

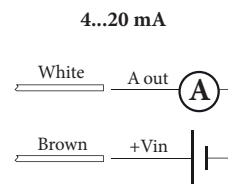
Ranges bar, relative	Overpressure bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	25
0...25	25

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.



dimensions : inches (mm)

Output signal	4...20 mA
N. wires	2
Load (Ohm)	$R_L \leq (V_{in}-8)/0,02$
Supply: +Vin	10...30
Massa	(pls. refer to Installation Manual)



“HOW TO ORDER” SEQUENCE

Section / Model / Range / Output signal / Cable type / Cable length / Gasket
8 **SLV** **1** **I** **FPM**



intrinsically safe pressure transmitter, ATEX version, accuracy 0,35 %



II 1 GD Ex ia IIC Ex ia IIIC
II 1/2 GD Ex ia IIC Ex ia IIIC

Certificate :
0425 ATEX 2635

8.X09

Ignition protection Ex ia as per EN 60079-0, EN 60079-11, EN 60079-26, atmosphere type GD :

- category 1 ⁽¹⁾, marking II 1 GD Ex ia IIC Ex ia IIIC (cod. **1GD**);
- category 1/2, marking II 1/2 GD Ex ia IIC Ex ia IIIC (cod. **2GD**).

Temperature classes ⁽²⁾,

- T6 (T85°C)Ta ≤ 60 °C (cod. **T6B**);
- T5 (T100°C)Ta ≤ 80 °C (cod. **T5B**);
- T4 (T135°C)Ta ≤ 100 °C (cod. **T4B**).

Measuring ranges: 0...1/0...1000 bar, relative; -1...0/-1...+24 bar, relative; 0...1/0...25 bar, absolute.

Output signal: 4...20 mA (cod. **1**).

Non-linearity (BFSL): ≤ ± 0,175 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,1 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,35% of the range ⁽³⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽⁴⁾.

Long term drift: ≤ 0,1 % of span.

Zero and span adjustment: ± 10 % span typical.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: piezoresistive, with silicon oil.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽⁵⁾.

Process connection: in AISI 316L, hole ø 2,5 mm (with restrictor ø 0,7 mm for measuring ranges ≥ 60 bar).

Weight: 0,25 kg

Ranges bar, relative	Overpressure bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	380
0...400	600
0...600	900
0...1000	1500

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

(1) available with IP 68 metallic cable gland only;

(2) "Tp" : fluid process temperature ≤ "Ta" : ambient temperature; "Tp" & "Ta" ≥ -20 °C.

(3) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy ≤ ± 0,75% of span for measuring ranges 0...1 bar and 0...600 bar.

(4) + 0,5% of span for measuring range 0,6 bar

(5) with properly assembled electric connection

intrinsically safe pressure transmitter, ATEX version, accuracy 0,35 %

SX 09

RG-10/15

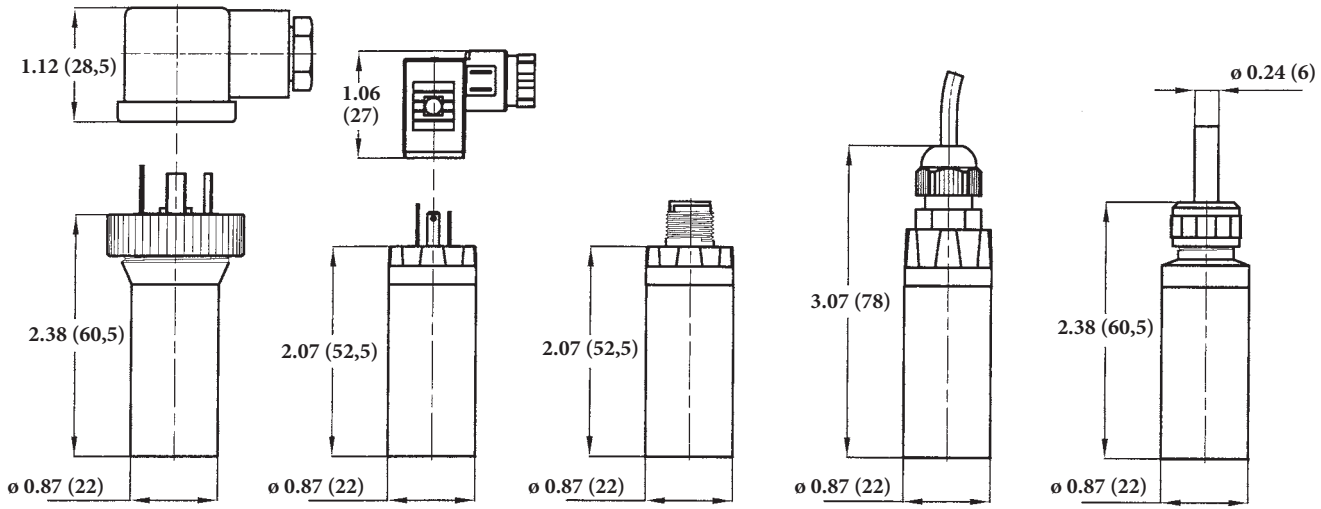
EN 175301-803 (Ex DIN 43650)
IP 65 (standard)

EN 175301-803 Form C
(Ex DIN 43650)
IP 65

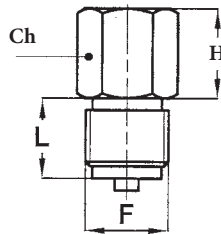
M 12 x 1
IP 65

Cable exit
IP 65

Cable exit
IP 68



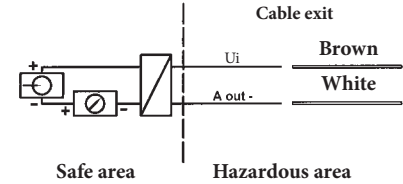
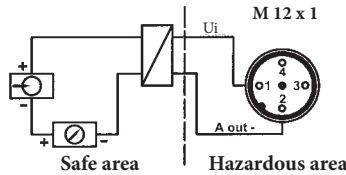
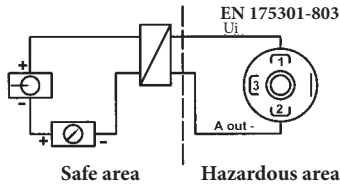
Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq ((U_i - 10) / 0,02)$
Supply (U _i)	10...30 Vdc
Max current (I _i)	≤ 100 mA
Max power (P _i)	1,0 W
Capacitance (C _i)	19 nF
Inductivity (L _i)	0 mH



P _n (bar)	H	Ch
≤ 100	1.08" (27,5)	0.87" (22)
> 100	1.24" (31,5)	0.94" (24)

F	L
41M - G 1/2 A	0.78" (20)
43M - 1/2-14 NPT	(20)
21M - G 1/4 A	0.51" (13)
23M - 1/4-18 NPT	(13)

dimensions : inches (mm)



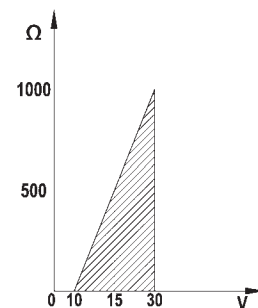
OPTIONS

Classification	II 1GD	II 1/2GD
--- - Junction box IP 65, as per EN 175301-803 Form A		T6...T4 (2)
SCC - Junction box IP 65, as per EN 175301-803 Form C (1)		T6...T4 (2)
M12 - Junction box IP 65, M12 x 1 (1)		T6...T5
PVC - Cable exit IP 65, with PVC cable (1)		T6...T5
U68 - Cable exit IP 68, with vented polyurethane cable (1)	T6	T6
CRP - CR gasket	T6...T5	T6...T5
EPD - EPDM gasket	T6...T4	T6...T4
NBR - NBR gasket	T6...T5	T6...T5
FPM - VITON gasket	T6...T4	T6...T4

(1) Zero calibration not available

(2) silicon gasket when T4 temp. class is choose

LOAD RESISTANCE



"HOW TO ORDER" SEQUENCE

Section / Model / Range / Process connection / Output signal / Classification / Temperature / Gasket / Options
8 X09 41M 1 1GD T6B CRP --- ... U68
43M 2GD T5B EPD
T4B NBR
FPM



intrinsically safe pressure transmitter, ATEX version, accuracy 0,5 %



II 1 GD Ex ia IIC Ex ia IIIC
II 1/2 GD Ex ia IIC Ex ia IIIC

Certificate :
0425 ATEX 2635

8.X18

Ignition protection Ex ia as per EN 60079-0, EN 60079-11, EN 60079-26, atmosphere type GD :

- category 1 ⁽¹⁾, marking II 1 GD Ex ia IIC Ex ia IIIC (cod. **1GD**);
- category 1/2, marking II 1/2 GD Ex ia IIC Ex ia IIIC (cod. **2GD**).

Temperature classes ⁽²⁾,

-T6 (T85°C)Ta ≤ 60 °C (cod. **T6B**);
-T5 (T100°C)Ta ≤ 80 °C (cod. **T5B**);
-T4 (T135°C)Ta ≤ 100 °C (cod. **T4B**).

Measuring ranges: 0...1/0...600 bar, relative; -1...0/-1...+24 bar, relative;
0...1/0...25 bar, absolute.

Output signal: 4...20 mA (cod. **1**).

Non-linearity (BFSL): ≤ ± 0,25 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,1 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,5% of the range ⁽³⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max ⁽⁴⁾.

Long term drift: ≤ 0,1 % of span.

Zero and span adjustment: ± 10 % span typical.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326,
(group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: ceramic in Al₂O₃.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽⁵⁾.

Process connection: in AISI 316L, hole ø 2,5 mm (with restrictor ø 0,7 mm for measuring ranges ≥ 60 bar).

Weight: 0,20 kg

(1) available with IP 68 metallic cable gland only;

(2) "Tp" : fluid process temperature ≤ "Ta" : ambient temperature;
"Tp" & "Ta" ≥ -20 °C.

(3) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy ≤ ± 0,75% of span for measuring ranges 0...1 bar and 0...600 bar.

(4) + 0,5% of span for measuring range 1 bar

(5) with properly assembled electric connection

Ranges bar, relative	Overpressure bar, relative
0...1	5
0...1,6	5
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	32
0...25	50
0...40	80
0...60	120
0...100	200
0...160	320
0...250	500
0...400	600
0...600	800

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

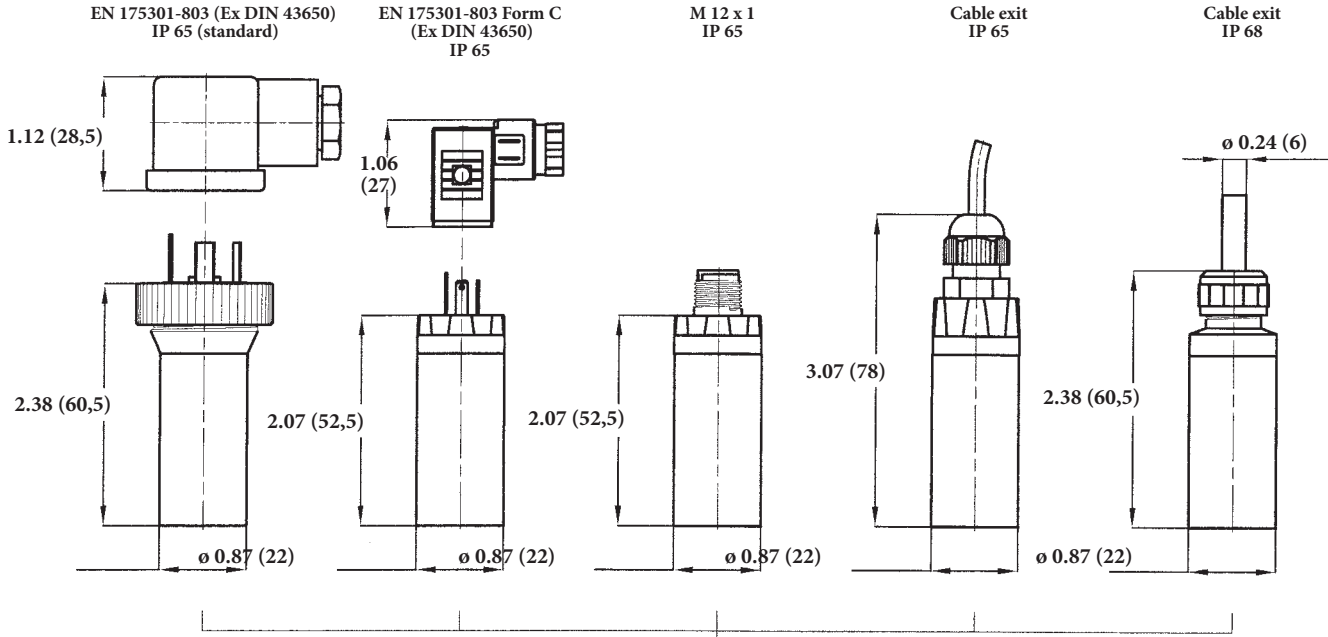
Compliance to requirements of directives: ATEX 94/9/EC - EMC 2004/108/EC - PED 97/23/EC - RoHS 2011/65/EC

intrinsically safe pressure transmitter, ATEX version, accuracy 0,5 %

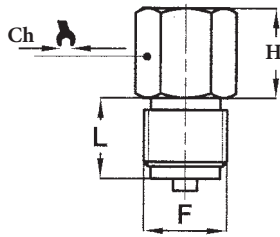
SX 18

RC7-10/15

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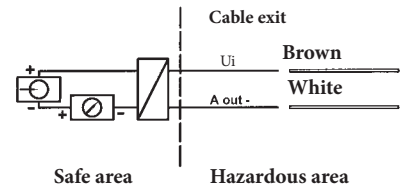
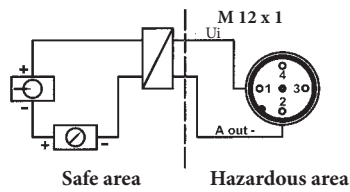
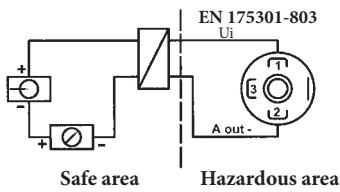
Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (V_{in} - 10) / 0,02$
Supply: (Ui)	10...30 Vdc
Max current (Ii)	≤ 100 mA
Max power (Pi)	1,0 W
Capacitance (Ci)	19 nF
Inductivity (Li)	0 mH



Pn (6ap)	H	Ch
1...4	1.06" (27)	0.87" (22)
6...400	0.89" (22,5)	0.87" (22)
> 400	0.89" (22,5)	0.94" (24)

F	L
41M - G 1/2 A	0.78" (20)
43M - 1/2-14 NPT	
21M - G 1/4 A	0.51" (13)
23M - 1/4-18 NPT	

dimensions : inches (mm)



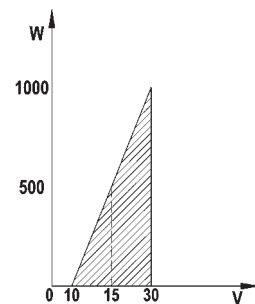
OPTIONS

Classification	II 1GD	II 1/2GD
--- - Junction box IP 65, as per EN 175301-803 Form A		T6...T4 (2)
SCC - Junction box IP 65, as per EN 175301-803 Form C (1)		T6...T4 (2)
M12 - Junction box IP 65, M12 x 1 (1)		T6...T5
PVC - Cable exit IP 65, with PVC cable (1)		T6...T5
U68 - Cable exit IP 68, with vented polyurethane cable (1)	T6	T6
CRP - CR gasket	T6...T5	T6...T5
EPD - EPDM gasket	T6...T4	T6...T4
NBR - NBR gasket	T6...T5	T6...T5
FPM - VITON gasket	T6...T4	T6...T4

(1) Zero calibration not available

(2) silicone is the only available gasket for T4 class

LOAD RESISTANCE



"HOW TO ORDER" SEQUENCE

Section / Model / Range / Process connection / Output signal / Classification / Temperature / Gasket / Options
8 X18 **41M** **1** **1GD** **T6B** **CRP** --- ... **U68**
 43M
 21M
 23M **2GD** **T5B** **EPD**
 T4B **NBR**
 FPM

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flush diaphragm pressure transmitter, intrinsically safe ATEX version, accuracy 0,5 %



II 1 GD Ex ia IIC Ex ia IIIC
II 1/2 GD Ex ia IIC Ex ia IIIC

Certificato :
0425 ATEX 2635

8.XMA

Ignition protection Ex ia as per EN 60079-0, EN 60079-11, EN 60079-26, atmosphere type GD :

- category 1 ⁽¹⁾, marking II 1 GD Ex ia IIC Ex ia IIIC (cod. **1GD**);
- category 1/2, marking II 1/2 GD Ex ia IIC Ex ia IIIC (cod. **2GD**).

Temperature classes ⁽²⁾,

- T6 (T85°C)Ta ≤ 60 °C (cod. **T6B**);
- T5 (T100°C)Ta ≤ 80 °C (cod. **T5B**);
- T4 (T135°C)Ta ≤ 100 °C (cod. **T4B**).

Measuring ranges: 0...1/0...600 bar, relative.

Output signal: 4...20 mA (cod. **1**).

Non-linearity (BFSL): ≤ ± 0,25 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,15 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,5% of the range ⁽³⁾.

Long term drift: ≤ 0,2 % of span.

Zero and span adjustment: ± 10 % span typical.

Stocking temperature: -30...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: ceramic in Al₂O₃.

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽⁴⁾.

Diaphragm and process connection: in AISI 316L.

Weight: 0,28 kg

Ranges bar, relative (1)	Thermal drift % span / °C (3)	Overpressure bar, relative
0...1 (2)	0,08	2,5
0...1,6/0...2,5 (2)	0,06	5
0...4 (2)	0,04	10
0...6 (2)	0,03	20
0...10	0,03	20
0...16	0,02	40
0...25/0...40	0,02	100
0...60/0...100	0,02	200
0...160/0...250	0,02	500
0...400	0,02	600
0...600	0,02	800

(1) Other unit of measurement and intermediate ranges are available, as requested by customer.

(2) Ranges available with G 3/4 A connection only.

(3) Thermal drift on connection G 3/4 A.

(1) available with IP 68 metallic cable gland only;

(2) "Tp" : fluid process temperature ≤ "Ta" : ambient temperature;
"Tp" & "Ta" ≥ -30 °C.

(3) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy ≤ ± 0,75% of span for measuring ranges 0...1 bar and 0...600 bar.

(4) with properly assembled electric connection

flush diaphragm pressure transmitter, intrinsically safe ATEX version, accuracy 0,5 %

SX MA

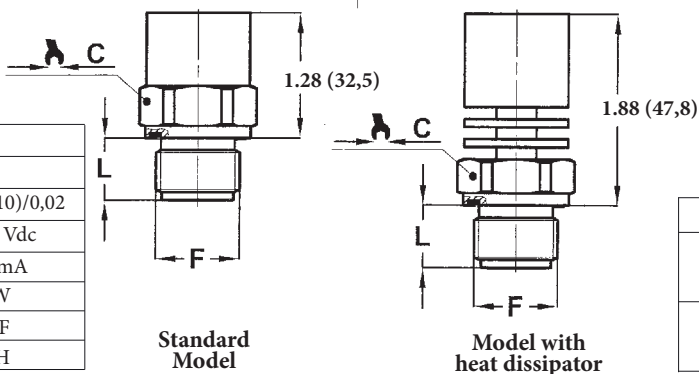
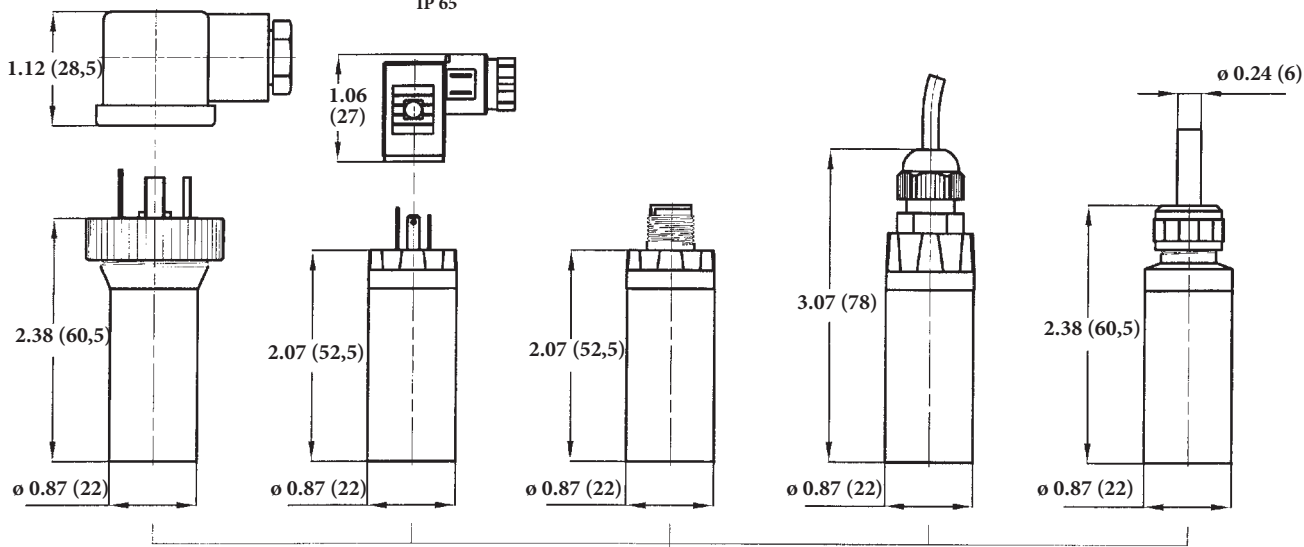
EN 175301-803 (Ex DIN 43650)
IP 65 (standard)

EN 175301-803 Form C
(Ex DIN 43650)
IP 65

M 12 x 1
IP 65

Cable exit
IP 65

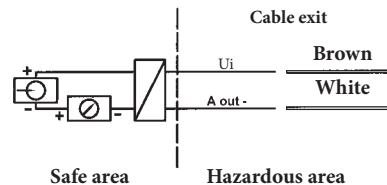
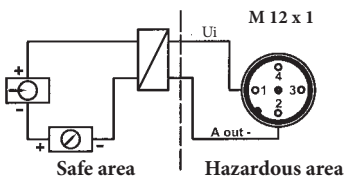
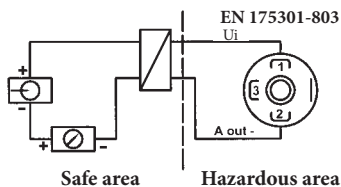
Cable exit
IP 68



Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (U_i - 10)/0,02$
Supply (U_i)	10...30 Vdc
Max current (I_i)	≤ 100 mA
Max power (P_i)	1,0 W
Capacitance (C_i)	19 nF
Inductivity (L_i)	0 mH

F	L	C
41M G 1/2 B	0.62 (16)	1.06 (27)
51M G 3/4 B	0.64 (16,5)	1.25 (32)

dimensions : inches (mm)

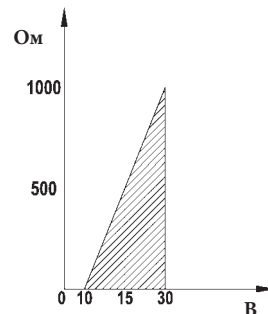


OPTIONS

Classification	II 1GD	II 1/2GD
--- - Junction box IP 65, as per EN 175301-803 Form A		T6...T4 (2)
SCC - Junction box IP 65, as per EN 175301-803 Form C (1)		T6...T4 (2)
M12 - Junction box IP 65, M12 x 1 (1)		T6...T5
PVC - Cable exit IP 65, with PVC cable (1)		T6...T5
U68 - Cable exit IP 68, with vented polyurethane cable (1)	T6	T6

- (1) Zero calibration not available
- (2) silicon gasket when T4 temp. class is choose

LOAD RESISTANCE



“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Classification / Temperature / Gasket / Options
8 XMA **41M** **1** **1GD** **T6B** **FPM** --- ... **U68**
 51M **2GD** **T5B**
 T4B

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**intrinsically safe pressure transmitter,
for food industry and sanitary applications,
ATEX version,
accuracy 0,5 %**



74-06
Authorization NO. 1599



II 1 GD Ex ia IIC Ex ia IIIC
II 1/2 GD Ex ia IIC Ex ia IIIC

Certificate :
CESI 06 ATEX 003 X

Compliance to requirements of directives: ATEX 94/9/EC - EMC 2004/108/EC - PED 97/23/EC - RoHS 2011/65/EC

8.XSA

Ignition protection Ex ia as per EN 60079-0, EN 60079-11, EN 60079-26, atmosphere type GD :

- category 1 ⁽¹⁾, marking **II 1 GD Ex ia IIC Ex ia IIIC (cod. 1GD)**;
- category 1/2, marking **II 1/2 GD Ex ia IIC Ex ia IIIC (cod. 2GD)**.

Temperature classes ⁽²⁾,

- T6 (T85°C)Ta ≤ 60 °C (cod. **T6B**);
- T5 (T100°C)Ta ≤ 80 °C (cod. **T5B**);
- T4 (T135°C)Ta ≤ 100 °C (cod. **T4B**).

Measuring ranges: 0...0,6/0...40 bar, relative; -1...0/-1...+24 bar, relative; 0...0,6/0...16 bar, absolute.

Output signal: 4...20 mA (cod. **1**).

Non-linearity (BFSL): ≤ ± 0,25 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,15 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,5% of the range ⁽³⁾.

Long term drift: ≤ 0,2 % of span.

Zero and span adjustment: ± 10 % span typical.

Stocking temperature: -10...+85 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326, (group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: ceramic in Al₂O₃ or piezoresistive.

Seal fill: oil for food service (FDA).

Case: in AISI 316L, vented up to 16 bar.

Protection degree: IP 65 according to IEC 60529 ⁽⁴⁾.

Diaphragm and process connection: in AISI 316L.

(1) available with IP 68 metallic cable gland only;

(2) "Tp" : fluid process temperature ≤ "Ta" : ambient temperature; "Tp" & "Ta" ≥ -20 °C.

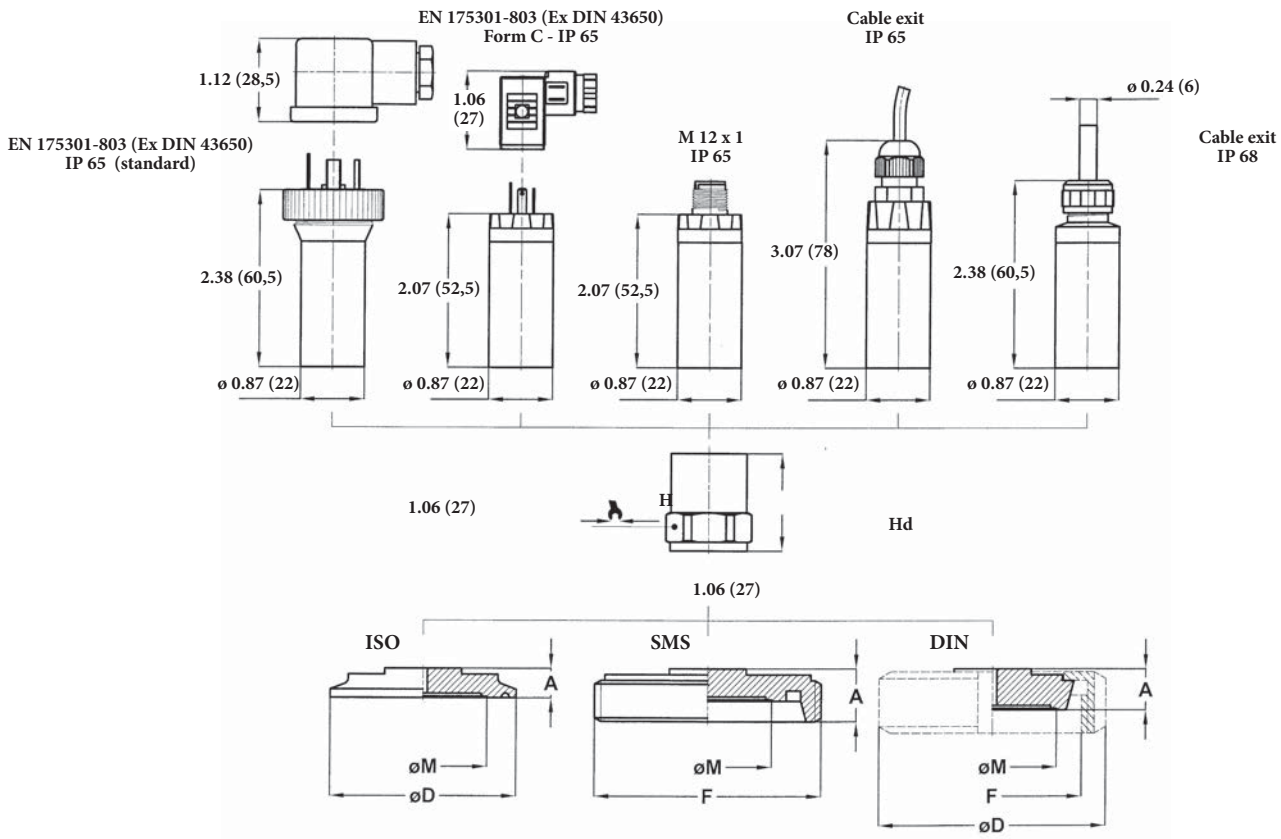
(3) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1); accuracy ≤ ± 0,75% of span for measuring range 0...1 bar

(4) with properly assembled electric connection

Ranges bar, relative (1)	Overpressure bar, relative	Thermal drift % span / °C (2)
0...≥ 0,6/0...< 1	2,5	0,05/0,04
0...1/0...2,5	5	0,04/0,03
0...4	10	0,02
0...6/0...10	20	0,02
0...16	40	0,02
0...25/0...40	60	0,02

(1) Other unit of measurement, intermediate ranges, vacuum and compound ranges are available, as requested by customer.

(2) Thermal drift on connection DIN 11851 DN40F.



P_n (bar)	H	Hd
$\leq 1,6$	1.42" (36,2)	2.05" (52,2)
$> 1,6$	1.23" (31,2)	1.86" (47,2)

Standards	DN	A	ϕD	ϕM	F
BIM SMS M (4)	2"	0.74 (19)		1.73 (44)	Rd 70 x 1/6
ATO ISO 2852 (clamp) (2)	1" 1/2	0.39 (10)	1.98 (50,5)	1.33 (34)	
BT0 ISO 2852 (clamp) (2)	2"	0.39 (10)	2.51 (64)	1.73 (44)	
DT0 ISO 2852 (clamp) (2)	2" 1/2	0.39 (10)	3.05 (77,5)	2.24 (57)	

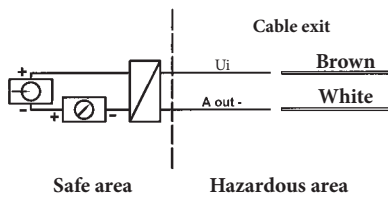
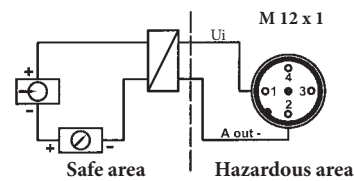
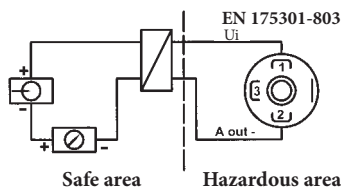
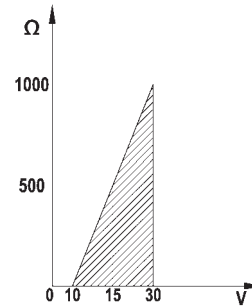
Standards	DN	A	ϕD	ϕM	F
QHF DIN 11851 F (1) (3)	25	0.62 (16)	2.48 (63)	0.95 (23,5)	Rd 52 x 1/6
SHF DIN 11851 F (1) (3)	40	0.62 (16)	3.07 (78)	1.73 (44)	Rd 65 x 1/6
THF DIN 11851 F (1) (3)	50	0.66 (17)	3.62 (92)	2.24 (57)	Rd 78 x 1/6

dimensions : inches (mm)

- (1) Execution without roller available on request: pls. contact our Technical Department.
- (2) Execution with clamp, gasket and connection to be welded available on request: pls. contact our Technical Department.
- (3) Gasket System from Siersema Componenten System (S.K.S.) B.V. or Kieslemann ASEPTO-STAR k-flex gasket.
- (4) Not available with 3A marking

Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (U_i - 10) / 0,02$
Supply (U _i)	10...30
Max current (I _i)	≤ 100 mA
Max power (P _i)	1,0 W
Capacitance (C _i)	19 nF
Inductivity (L _i)	0 mH

LOAD RESISTANCE



OPTIONS

Classification	II 1GD	II 1/2GD
--- - Junction box IP 65, as per EN 175301-803 Form A		T6...T4 (2)
SCC - Junction box IP 65, as per EN 175301-803 Form C (1)		T6...T4 (2)
M12 - Junction box IP 65, M12 x 1 (1)		T6...T5
PVC - Cable exit IP 65, with PVC cable (1)		T6...T5
U68 - Cable exit IP 68, with vented polyurethane cable (1)	T6	T6

- (1) Zero calibration not available
- (2) silicon gasket when T4 temp. class is choose

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Process connection / Output signal / Classification / Temperature / Options
8 XSA BIM...DT0 1 1GD T6B --- ... U68
QHF...THF 2GD T5B
T4B



intrinsically safe level transmitter, ATEX version, accuracy 0,5 %



II 1 G Ex ia IIC Ex ia IIIC

**Certificate :
0425 ATEX 2635**

8.XLV

Ignition protection Ex ia as per EN 60079-0, EN 60079-11, EN 60079-26, atmosphere type G :

- category 1, marking **II 1 GD Ex ia IIC Ex ia IIIC (cod. 1GD)**;

Temperature classes ⁽¹⁾,

-T6 (T85°C) Ta ≤ 60 °C (**cod. T6B**).

Measuring ranges: 0...1/0...25 bar, relative.

Output signal: 4...20 mA (**cod. 1**).

Non-linearity (BFSL): ≤ ± 0,25 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,15 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,5% of the range ⁽²⁾.

Thermal drift: between 0 and 80°C, 1% of span; 2,5% of span, max.

Long term drift: ≤ 0,2 % of span.

Stocking temperature: -10...+60 °C.

Response time: <4 ms (measuring); <150 ms (switching on).

Emission and immunity: according to EN 61326,

(group 1 - class B; industrial applications).

Vibration resistance: 20g (10...2000 Hz, according to IEC 60068-2-6).

Shock resistance: 40g (6 ms, according to IEC 60068-2-27).

Sensor: piezoresistive cell for pressure ranges < 1 bar;

ceramic cell for pressure ranges ≥ 1 bar.

Filling fluid of piezoresistive cell: silicone oil.

Case: in AISI 316L, vented up to 16 bar.

Sensor gasket: VITON (**Cod. FPM**).

Electric connection: poliurethane cable, compensated.

Protection: submersible.

Weight:

for pressure ranges 1 bar = 0,28 kg;

for pressure ranges ≥ 0,6 bar = 0,22 kg.

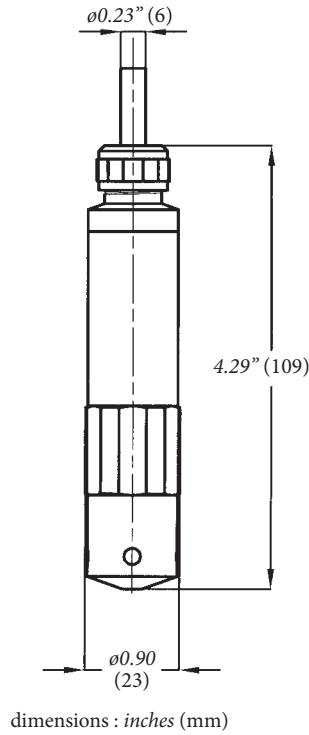
(1) "Tp" : fluid process temperature ≤ "Ta" : ambient temperature;
"Tp" & "Ta" ≥ -20 °C.

(2) max measuring error according to IEC 61298-2, including non-linearity and hysteresis
(limit-point calibration and reference conditions according to IEC 61298-1)

Ranges relative (1)
0...0,1/0...≤ 0,6
0...> 0,6/0...< 1
0...1/0...2,5
0...4
0...6/0...10
0...16
0...25

(1) Other unit of measurement and intermediate ranges, are available, as requested by customer.

Compliance to requirements of directives: ATEX 94/9/EC - EMC 2004/108/EC - PED 97/23/EC - RoHS 2011/65/EC

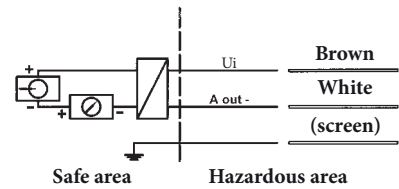
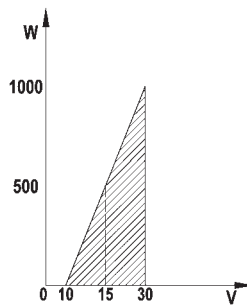


RC - 10/15

IN ORDER TO IMPROVE THEIR PRODUCTION, MESSRS. NUOVA FIMA RESERVE THE RIGHT TO THEMSELVES TO MAKE ALL THE MODIFICATIONS THAT THEY DEEM INDISPENSABLE AT ANY TIME. UPDATED DATA-SHEETS ARE AVAILABLE ON SITE: www.nuovafima.com

Load Resistance

Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (U_i - 10) / 0,02$
Supply (U _i)	10...30 Vdc
Max current (I _i)	≤ 100 mA
Max power (P _i)	1,0 W
Capacitance (C _i)	19 nF
Inductivity (L _i)	0 mH



“HOW TO ORDER” SEQUENCE

Section / Model / Range / Output signal / Classification / Temperature / Cable type / Gasket
8 XLV 1 1GD T6B I FPM



multifunction digital pressure instrument: gauge, transmitter, switch



CE Compliance to requirements of directives:
EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/EU



8.D18 - Standard Model

Display output: 5 digit x 0.47" (12 mm) height, with analog bar graph.

Display type: graphic with resolution 128 x 64 dots, backlit.

Output signal: 4...20 mA (cod. **A**), with separated supply (3 wires).

Rangeability (on signal output):

1:5 for pressure ranges ≤ 6000 psi (400bar);

1:2 for pressure ranges > 6000 psi (400bar).

Accuracy (% FSV):

for rangeability 1:1 =

$\leq 0,1$ for pressure ranges ≤ 6000 psi (400bar);

$\leq 0,25$ for pressure ranges > 6000 psi (400bar);

for rangeability $\neq 1:1$,

standard accuracy x (nominal range/calibrated range).

Alarm contacts: nr.2, PNP or NPN.

Calibration: limit-point as per DIN 16086.

Process fluid temperature: $-4...+176$ °F ($-20...+80$ °C).

Compensated temperature range: $+32...+176$ °F; ($0...+80$ °C).

Ambient temperature: $-4...+158$ °F ($-20...+70$ °C).

Supply and max load: see on page 2.

Additional displayed informations: alarms state, minimum or maximum peak value, minimum or maximum ambient temperature, current value of signal output, system alarms.

Safety designation: S1 as per EN 837-2.

Keyboard: polyester.

Sensor: piezoresistive for pressure ranges ≤ 6000 psi (400bar);

st.st. thin film for pressure ranges > 6000 psi (400bar).

Electric connection: junction box as per VDE with exit for cables

$\varnothing 0.27...0.51$ " ($\varnothing 7...13$ mm).

Response time: 0,1 s.

Adsorbed current: ≤ 100 mA + alarms current.

Protection degree: IP 65 as per EN 60529/IEC 529.

Socket material: AISI 316L st.st.

Case: stainless steel, vented for pressure ranges ≤ 1450 psi (100bar).

Ring: stainless steel, crimped.

Weight: 0,52 kg.

Nominal Ranges in Hg...psi, relative (bar, relative)	Minimum Range psi, relative (bar, relative)	Overpressure psi, relative (bar, relative)
-3...6 (-0,1...0,4)	1.45 (0,1)	11.6 (0,8)
-12...23 (-0,4...1,6)	5.8 (0,4)	46.4 (3,2)
-30...85 (-1...6)	20.3 (1,4)	174 (12)
-30...230 (-1...16)	49.3 (3,4)	464 (32)
-30...580 (-1...40)	119 (8,2)	1160 (80)
-30...1450 (-1...100)	293 (20,2)	2900 (200)
-30...3600 (-1...250)	728 (50,2)	5400 (375)
-30...5800 (-1...400)	1163 (80,2)	8700 (600)
0...14500 (0...1000)	7250 (500)	15950 (1100)
0...23000 (0...1600)	11600 (800)	24650 (1700)

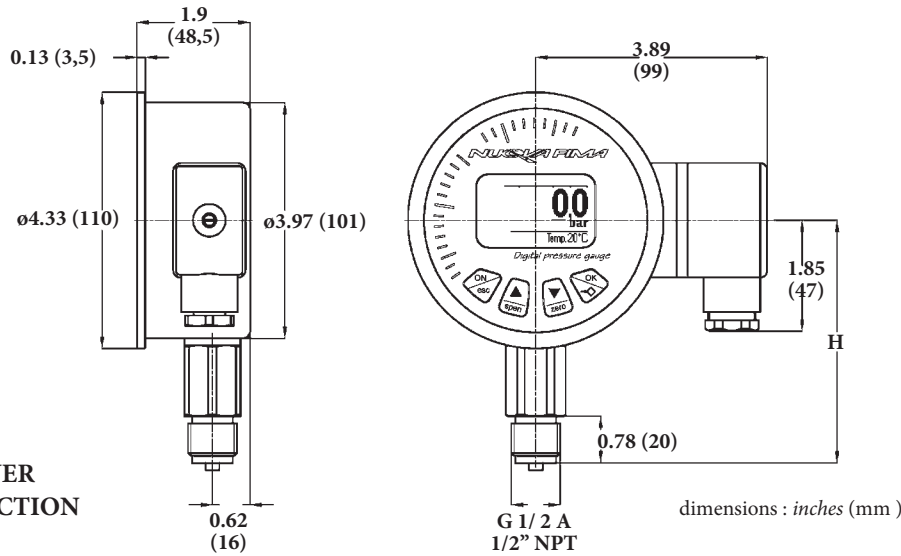
PROGRAMMABLE OPTIONS

Password protection
Engineering units: 24 availables (1)
Rangeability, zero offset
Risoluzion and displayed value damping
Analogic output damping
Alarm contact type: NPN or PNP
Histeresys, window and delay of alarm contacts
Backlight time

(1) bar; mbar; at; kPa; MPa; PSI; kg/cm2; mmHg; inHg; mH2O; cmH2O;
mmH2O; mm; m; feet; inch; l; kg; t; m3; gal; lb; %; mA

multifunction digital pressure instrument: gauge, transmitter, switch

SDM 18



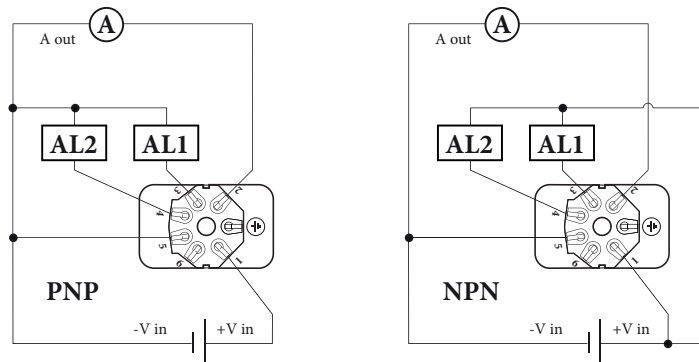
Pn (bar)	H
≤ 100	4.13" (105)
> 100	4.29" (109)

A - LOWER CONNECTION

Output signal	4...20 mA
N. wires	3
Load (Ohm)	$R_L \leq (V_{in} - 11) / 0,02$
Supply: +V _{in}	11...30
Ground	(pls. refer to Installation Manual)

Alarms	2
Tipo, programmabile	PNP, NPN
Max output current: I _{out} (1)	100 mA
Min. load (Ohm)	$R_{Lm} \geq (V_{in} - 1) / I_{out}$
Supply: +V _{in}	11...30

(1) max value current 0,6 A available on request, NPN or PNP type for both alarms



OPTIONS

CRP - CR gasket, for pressure ranges ≤ 1500 psi (100 bar); process fluid temperature: -40...+176 °F (-40...+85°C)
EPD - EPDM gasket, for pressure ranges ≤ 1500 psi (100 bar); process fluid temperature: +5...+212 °F (-40...+100°C)
FPM - VITON gasket, for pressure ranges ≤ 6000 psi (400 bar); process fluid temperature: -40...+212 °F (-15...+100°C)
NBR - NBR gasket; process fluid temperature: -13...+176 °F (-25...+85°C)
NP2 - Nr. 2 NPN alarms with 0,6A output current
PN2 - Nr. 2 PNP alarms with 0,6A output current

“HOW TO ORDER” SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Output signal / Gasket / Options

8 D18 1 A E - DN100 41M - G 1/2 A A CRP NP2
43M - 1/2" NPT EPD PN2
FPM
NBR

NUOVA FIMA

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