

**bourdon tube pressure gauges
all stainless steel construction,
with microswitch,
DS 4" (100mm)**



Compliance with requirements of
LVD 2014/35/EU - PED 2014/68/EU



These instruments are designed for applications in chemical, petrochemical industries, and conventional power stations where they ensure the safe and reliable automatic regulation in hydraulic, oleodynamic and fluid circuits.

1.74.1 - Standard Model

Design: EN837-1.

Safety designation: S1 as per EN 837-2.

Ranges: from 0...15 to 0...10000 psi (from 0...1 to 0...600 bar or equivalent units).

Accuracy: class 2,5 as per EN 837-1.

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

Process fluid temperature: -40...+302 °F (-40...+150 °C).

Working pressure: max 75% of the FSV.

Overpressure: not suitable.

Protection degree: IP 44 as per EN 60529/IEC 529.

Electrical specifications: N. 1 SPDT microswitch.

Contact setting: between 10% and 75% of FSV.

Differential: fixed, between 2% and 4% of FSV.

Socket material: AISI 316L st.st.

Elastic element: AISI 316L st.st.

Case: stainless steel.

Ring: stainless steel, bayonet lock.

Window: plastic.

Movement: stainless steel.

Dial: aluminium, white with black markings.

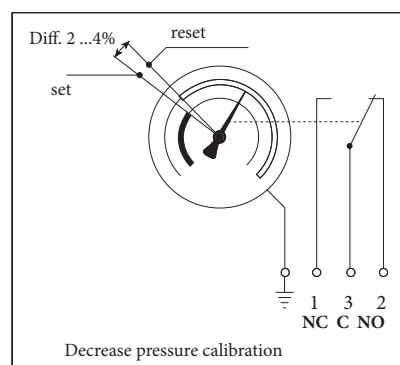
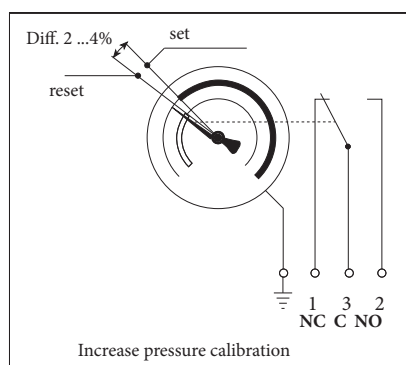
Pressure pointer: aluminium, black.

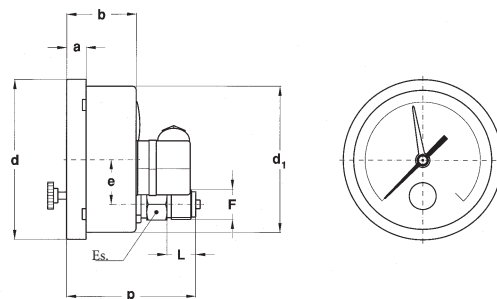
Set pointer: aluminium, red.

Adjusting key: plastic, removable.

Junction box: glass fibre reinforced polyamid with cable exit $\varnothing$ 0.23...0.35" (6...9 mm) as per EN 175301-803 (Ex DIN 43650).

MICROSWITCH: SETTING





D - BACK CONNECTION

Mounting	F	a	b	c	d	d ₁	e	h	p	L	Es.	Weight
Lower	41M - G 1/2 A	0.51” (13)	1.90” (48,5)	0.62” (16)	4.35” (110,6)	3.97” (101)		3.48” (88,5)		0.78” (20)	0.86” (22)	1.32 lbs (0,6 kg)
Back				1.22” (31)				3.65” (90)				

RATING LOAD

Volt	DC	AC	Inductive load
220	0,3 A	4 A	4 A
110	0,4 A	4 A	4 A
48	4 A	4 A	4 A
24	4 A	4 A	4 A

Wiring	Junction box	Cable
NC	Contact N.º1	Brown
NO	Contact N.º2	Black
C	Contact N.º3	Blue
Ground	Ground	Yellow-Green

RSV	- Under-glass adjusting (IP 55 protection degree)
D30	- Differential between 6% and 10% of FSV (for ranges $\geq 60 \text{ psi}$ - 2,5 bar)
S06	- Brass restrictor $\varnothing 0.015''$ (0,4 mm) for ranges $\leq 600 \text{ psi}$ (40 bar)
T40	- Calibration for pressure decrease

Section / Model / Case / Mounting / Diameter / Range / Process connection / Options
1 74 1 A E 41M RSV...T40
D