

pressure transmitter flush diaphragm

ST MA

- ✓ - *Wetted parts: st.st.AISI 316L.*
- ✓ - *Process fluid temperature: up to 300°F (+150°C).*
- ✓ - *EMC emission and immunity: as per EN 61326.*
- ✓ - *Wiring: shieldless cable.*
- ✓ - *Case: with ventilation device.*
- ✓ - *Calibration: adjustable.*



CE Compliance to requirements of directives:
ATEX 94/9/CE - EMC 89/336/CEE - PED 97/23/CE - RoHS 02/95/CE - RAEE 02/96/CE - 03/108/CE

8.SMA - Standard Model

Ranges: 0...15 / 0...10000 psi, relative (0...1 / 0...600 bar, relative).

Accuracy (% span): ≤ 0,25 typical; ≤ 0,5 max.

Calibration: limit-point as per DIN 16086.

Repeatability: ≤ 0,15 % of span.

Annual drift: ≤ 0,2 % of span.

Process fluid temperature: -4...+212 °F (-20...+100 °C).

Ambient temperature: -4...+185 °F (-20...+85 °C).

Storage temperature: -4...+232 °F (-20...+100 °C)

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

Supply and max load: see on page 2.

Zero calibration: ± 10 % span typical.

Span calibration: ± 10 % span typical.

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

Diaphragm: AISI 316L st.st.

Process connection: AISI 316L st.st.

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

Filling liquid: silicon oil.

Sensor: ceramic.

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

Electric connection: *EN 175301-803, exit for cables ø 0.23...0.35" (6...9 mm).

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

Weight: 0.57 lbs (0,26 kg)

(*Ex DIN 43650

8.SMA...TA3 - Model with heat dissipator

Process fluid temperature: -4...+302 °F (-20...+150 °C).

Other features: as Standard Model.

Ranges psi, relative (1)	Thermal drift % span / °F (3)	Overpressure psi, relative
0...15 (2)	0.04	36
0...25/0...30 (2)	0.03	72
0...60 (2)	0.02	145
0...100 (2)	0.02	290
0...160	0.02	290
0...300	0.01	580
0...600	0.01	1450
0...1000/0...1500	0.01	2900
0...2000/0...3000	0.01	7250
0...6000	0.01	8700
0...10000	0.01	11600

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

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

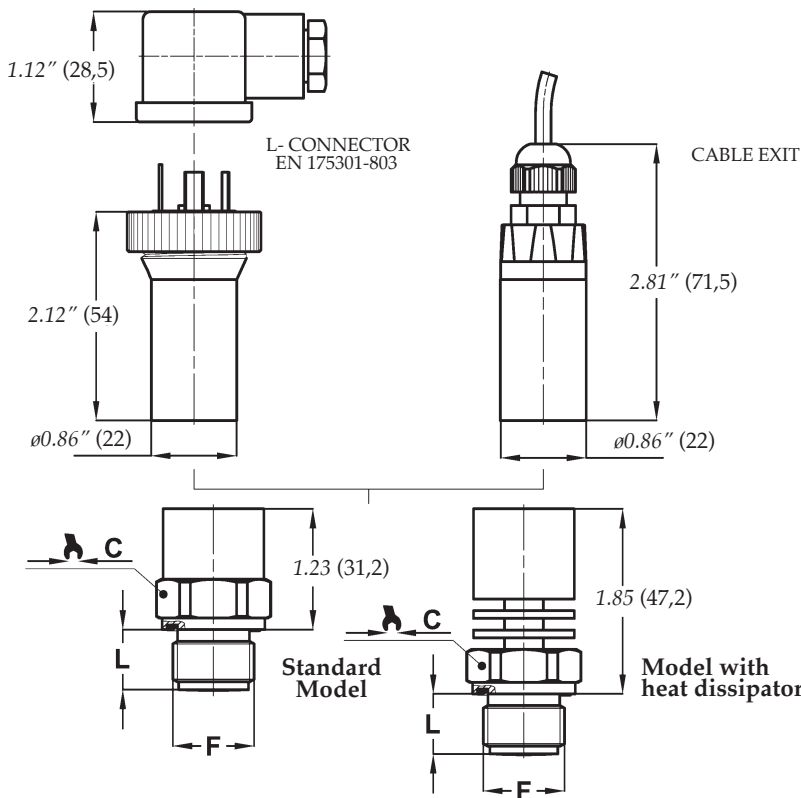
(3) Thermal drift on connection G 3/4 A.

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

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

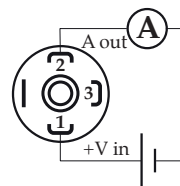
(3) Thermal drift on connection G 3/4 A.



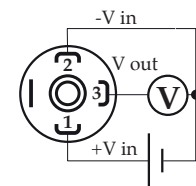
F	L	C
41M G 1/2 A	0.62" (16)	1.06" (27)
51M G 3/4 A	0.64" (16,5)	1.25" (32)

dimensions : inches (mm)

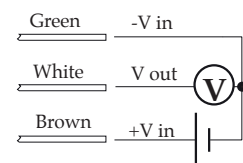
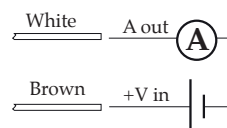
Output signal	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5
N. of wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-8)/0,02$	$R_L \geq 5 K\Omega$	$R_L \geq 10 K\Omega$
Supply: +Vin	8...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		



4...20 mA



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



OPTIONS

- C01** - Calibration certificate
- PVC** - Cable exit, with PVC cable (1)

(1) Zero calibration not available

"HOW TO ORDER" SEQUENCE

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