

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:
EMC 2004/108/CE - PED 97/23/CE - RoHS 2011/65/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: *-13...+185 °F (-25...+85 °C).*

Storage temperature: *-40...+185 °F (-40...+85 °C)⁽¹⁾.*

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 EN 60529 / IEC 529.*

Weight: *0.57 lbs (0,26 kg)*

(1) with electrical connector EN175301-803 (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.

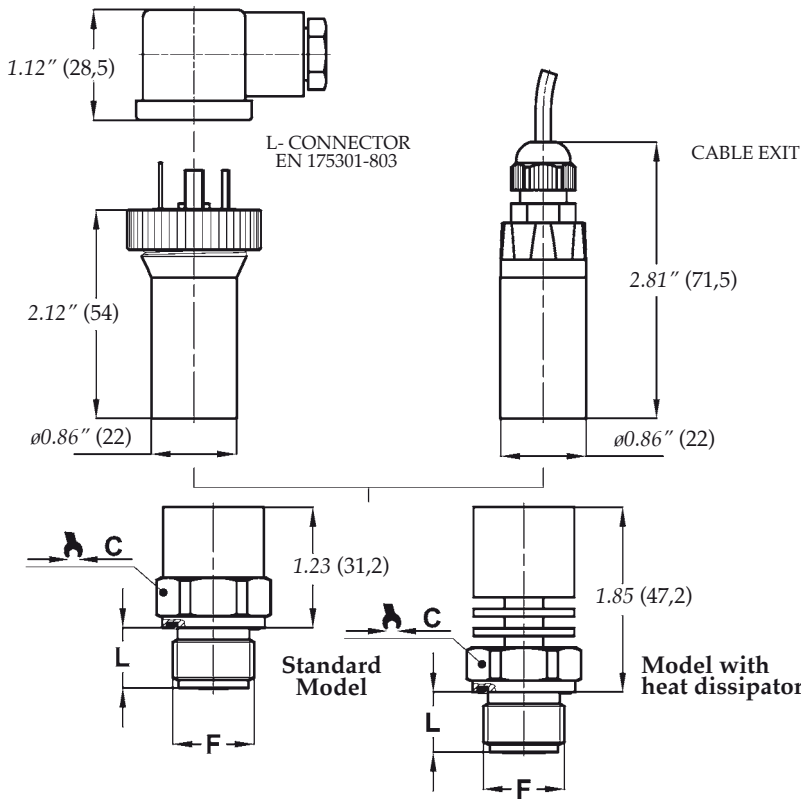
(3) Thermal drift on connection G 3/4 A.

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

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

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

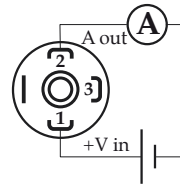
(3) Thermal drift on connection G 3/4 A.



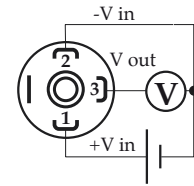
F	L	C
41M G 1/2 A	0.62" (16)	1.06" (27)
51M G 3/4 A	0.64" (16,5)	1.25" (32)

dimensions : inches (mm)

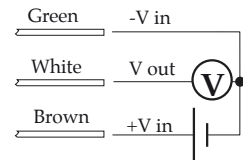
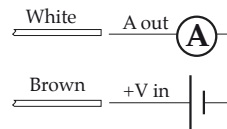
Output signal	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5
N. of wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-8)/0,02$	$R_L \geq 5 K\Omega$	$R_L \geq 10 K\Omega$
Supply: +V _{in}	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		



4...20 mA



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



OPTIONS

C01 - Calibration report

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