

- ✓ - EMC emission and immunity: as per EN 61326.
- ✓ - Wiring: shieldless cable.
- ✓ - Compensated temperature range: +14...+176 °F (-10...+80 °C).



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

### 8.S33 - Standard Model

**Ranges:** 0...15/0...5800 psi, relative (0...1/0...400 bar, relative);  
-30"...0/-30"...350 psi, relative (-1...0/-1...+24 bar, relative).

**Accuracy (% of span):** ≤ 0,5 typical; ≤ 1 max.

**Calibration:** limit-point as per DIN 16086.

**Repeatability:** ≤ 0,15 % of span.

**Thermal drift:** ≤ 0.011 % span / °F, (0,02 % span / °C) typical;  
≤ 0.011 % span / °F, (0,02 % span / °C) max.

**Annual drift:** ≤ 0,2 % of span.

**Process fluid temperature:** -13...+185 °F (-25...+85 °C).  
(See options table)

**Ambient temperature:** -13...+185 °F (-25...+85 °C).

**Storage temperature:** -13...+185 °F (-25...+85 °C).

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

**Supply and max load:** see on page 2.

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

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

**Process connection:** AISI 316L.

**Sensor:** ceramic.

**Case:** stainless steel.

**Electric connection:** \*EN 175301-803 Form C,  
exit for cables ø 0.15"...0.23" (ø 4...6 mm).

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

**Weight:** 0.22 lbs (0,1 kg)

(\*)Ex DIN 43650

Ranges psi, relative (1)	Overpressure psi, relative	Burst pressure psi relative
0...15/0...30	72	100
0...60	145	175
0...100/0...160	290	360
0...300	580	725
0...600	1450	1740
0...1000/0...1500	2900	3625
0...2000	5800	7250
0...5000 (2)	7250	8700

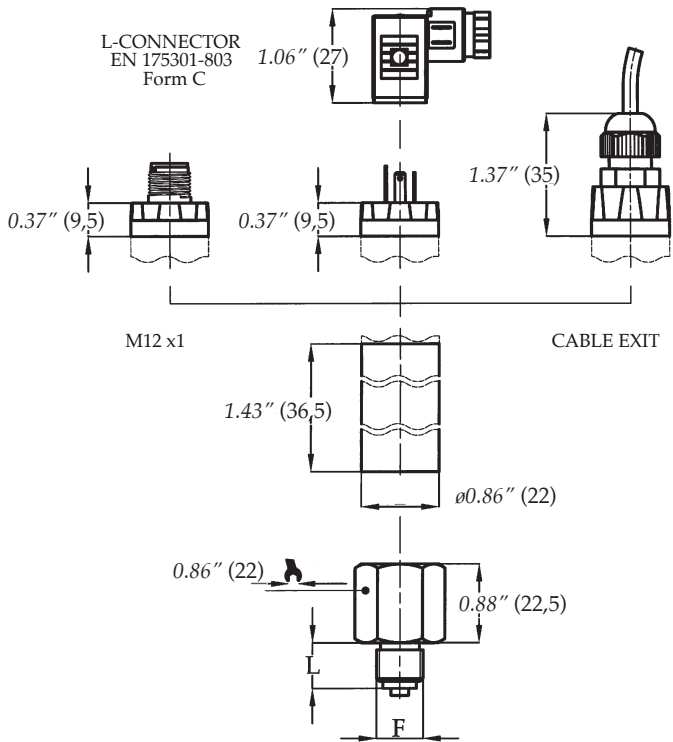
(1) Other unit of measurement, intermediate ranges, vacuum and compound ranges are available, as requested by customer.

(2) Accuracy (% of span): ≤ 1 typical; ≤ 1,5 max.

Ranges bar, relative (1)	Overpressure bar, relative	Burst pressure bar, relative
0...1/0...2,5	5	7
0...4	10	12
0...6/0...10	20	25
0...16	40	50
0...25/0...40	100	120
0...60/0...100	200	250
0...160/0...250	400	500
0...400 (2)	500	600

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

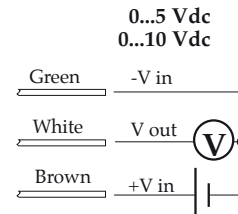
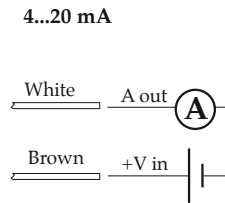
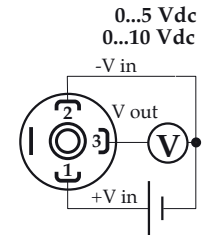
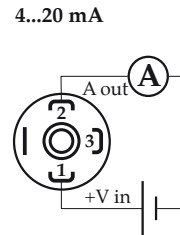
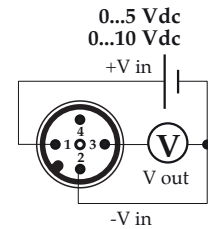
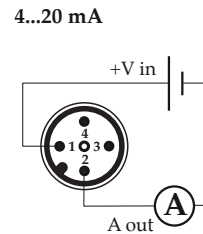
(2) Accuracy (% del VFS): ≤ 1 tipica; ≤ 1,5 massima.



F	L
21M - G 1/4 A	0.51" (13)
23M - 1/4-18 NPT	0.51" (13)

dimensions : inches (mm)

Output signals	4...20 mA	0...5 Vdc	0...10 Vdc
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)		



## OPTIONS

<b>CRP</b> - CR gasket, for pressure ranges $\leq 1500$ psi (100 bar); process fluid temperature: $-40...+176$ °F ( $-40...+85$ °C)
<b>EPD</b> - EPDM gasket, for pressure ranges $\leq 1500$ psi (100 bar); process fluid temperature: $-40...+212$ °F ( $-40...+100$ °C)
<b>NBR</b> - NBR gasket; process fluid temperature: $-13...+176$ °F ( $-25...+85$ °C)
<b>FPM</b> - VITON gasket; process fluid temperature: $-4...+212$ °F ( $-20...+100$ °C)
<b>M12</b> - Electrical connection M12 x 1
<b>PVC</b> - Cable exit, with PVC cable

## "HOW TO ORDER" SEQUENCE

Section / Model / Range / Process connection / Output signal / Gasket / Options
8 S33 21M 1 FPM M12...PVC
23M 4 CRP
5 EPD
NBR