

PATENTED

**Xmitr™ Transmitter Gauge
All Stainless Steel
Type X1009 2½", 3½"**

TRANSMITTER SPECIFICATIONS

Output (Supply):
4-20mA 2 wire (12 to 30 Vdc Supply)
1-5 Vdc 3 wire Regulated (10 to 24 Vdc Supply)
0.5-4.5 Vdc 3 wire Ratio-metric (5 Vdc ±5% Supply)
Ranges: 15 to 15,000 psi (see table 3)
Performance:⁽¹⁾
±1% FSO from best fit straight line (includes non-linearity, hysteresis, and non-repeatability)
Temperature:
Storage: -40 to 221°F (-40 to 105°C)⁽⁵⁾
Operating: -40 to 221°F (-40 to 105°C)⁽⁵⁾
Compensated: -4 to 185°F (-20 to 85°C)
Thermal effect: 1.4% per 100°F, 3%/100°C typical (zero & full scale combined)

CE Conformity:
Meets CE heavy industrial Per EN 61326: 1998 Annex A
Enclosure: Stainless steel case IP50 (std), IP65 (XLJ)⁽²⁾

Media: Liquid, gas or vapor
Wetted Materials: 316L Stainless Steel

Electrical Protection:
Reverse polarity 75 Vdc, Over-voltage 60 Vdc continuous, and short-circuit protection.⁽³⁾

Shock: 100g-force per IEC770.

Vibration: 5g's 50 to 2000Hz.

Humidity: 95% non-condensing

Proof Pressure:
0 to 600 psi = 125% of full scale
1,000 to 15,000 psi = 110%

Burst Pressure:
0 to 1,500 psi = 10x burst
2,000 to 6,000 psi = 3x
10,000 to 15,000 psi = 1.8x

Response Time: Less than 10 ms (electronics)

Wake-up Time: 1 ms

Insulation: 1 meg ohm at 200 Vdc

Electrical Connection:
2' shielded cable (Standard)
Mini-Hirschmann series G

Process Connection: Lower

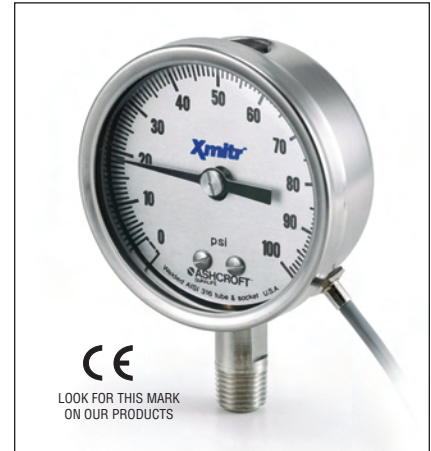
Process Connection:
½ NPT, ¼ NPT, G ¼"

GAUGE SPECIFICATIONS

Dial Size: 2½", 3½"
Gauge Accuracy: 1% full-scale Grade 1A
Window: Polycarbonate
Gauge Movement:
Patented PowerFlex™ movement

Features

- A transducer and gauge in one instrument (2 in 1)
- A 1% performance industrial transducer
- Quality 316L st. st. media compatibility
- Voltage and 4-20mA outputs
- Robust CE heavy industrial
- Ranges compound to 15,000 psi
- Vibration dampening via patented PLUS![™] Performance



CE
LOOK FOR THIS MARK ON OUR PRODUCTS

OPTIONS (Table 1)

Throttle plugs: (not provided with LJ)
(TU): .013" SS Throttle Plug
(TS): Helical Throttle Plug
IP65 (LJ): Provides hard case plug for IP65/NEMA4 weather protection (not liquid fillable).
(LL): Patented PLUS! Performance provides vibration dampening in a dry case.
(SG): Safety Glass

ELECTRICAL CONNECTORS (Table 2)

Shielded Cable	CODE
2' shielded cable.....	FL
Mini-Hirschmann G Series	
No Mating Connection	HM
With Mate (with 1 meter cable).....	M2
With Mate (no cable).....	M1
With Mate (with 3 meter cable).....	M3

Output	Code	Wiring
4-20 mA	4	Red = Supply + Black = Supply -
1-5 Vdc	1	Red = Supply + Black = Supply - (Signal Ref.)
.5-4.5 Vdc Ratiometric	R	White = Signal

PRESSURE RANGES (Table 3)

psi	kg/cm ² (4)	bar (4)	kPa (4)	mPa (4)
0/15	1	1	100	0.1
0/30	1.6	1.6	160	0.2
0/60	2.5	2.5	250	0.3
0/100	4	4	400	0.4
0/160	6	6	600	0.6
0/200	10	10	1,000	1
0/300	16	16	1,600	1.6
0/400	25	25	2,500	2.5
0/600	40	40	4,000	4
0/1000	60	60	6,000	6
0/2000	100	100	10,000	10
0/3000	160	160	16,000	16
0/5000	250	250	25,000	25
0/7500	400	400	40,000	40
0/10,000	600	600	60,000	60
0/15,000	1000	1000	100,000	100

COMPOUND RANGES

30IMV&15	-1, .6	-1, .6	-100, 60	-1, .1
30IMV&30	-1, 1.5	-1, 1.5	-100, 150	-1, .2
30IMV&60	-1, 3	-1, 3	-100, 300	-1, .3
30IMV&100	-1, 5	-1, 5	-100, 500	-1, .5
30IMV&150	-1, 9	-1, 9	-100, 900	-1, .9
30IMV&300	-1, 24	-1, 24	-100, 2400	-1, 2.4

(1) 1% BFSL from 10% to 90% full scale, 1.5% from 0% to 10% and 90% to 100% full scale

(2) Not Liquid Fillable

(3) For ratio-metric output, reverse polarity 20 Vdc and over-voltage of 25 Vdc continuous.

(4) 10 piece minimum per line item.

(5) Cable rated to 105°C. Other connectors to 90°C.

HOW TO ORDER

25 X 1009 SD 02L 4 FL X(LJ) 100 psi

- Dial Size 2.5" _____
- Patented Xmitr Transmitter Gauge _____
- Case Number: 1009 (Table 5) _____
- Socket Material: 316L SS _____
- Connection Size/Location: ¼ NPT Lower _____
- Output: 4-20mA output (Table 4) _____
- Connector: 2' Shielded Cable (Table 2) _____
- Select Option(s): IP65 (Table 1) _____
- Range: 100 psi (Table 3) _____

Dial Size	Code	Type
2.5"	25	1009
3.5"	35	1009