

LE3 General Purpose Transmitter



Description & Features:

- Developed for use in general industry and OEM applications, where versatility and low cost are requirements
- Compact stainless steel construction with ceramic sensor
- Available ranges include 25-7,500 psi
- Wide range of mechanical and electrical connections
- $\pm 0.5\%$ accuracy
- IP65 and IP67
- Built-in restrictor screw on ranges $> 1,500$ psi
- UL listed or UL recognized for USA and Canada
- 5 year warranty

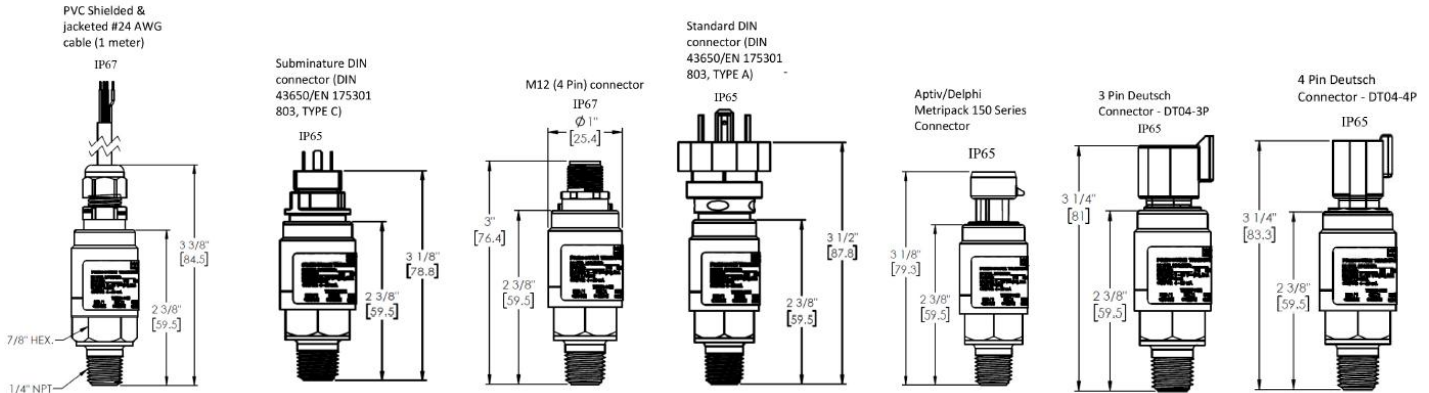
Applications:

- Suitable for all process and automation control, hydraulics and pneumatic sensing, pump and compressor monitoring, refrigeration and HVAC

Specifications

Output Signal	4...20 mA, 2-wire / Vs = 8-33 Vdc 0...10 Vdc, 3-wire / Vs = 12-33 Vdc 1...5 Vdc, 3-wire / Vs = 7-33 Vdc 0.5...4.5 Vdc, 3-wire, ratiometric output / Vs = 4.5-5.5 Vdc (UL listing not included)
Response Time	4...20 mA = 3 ms, all others = 5 ms
Current Consumption	4...20 mA = 22 mA maximum, all others = 15 mA maximum
Accuracy	$\pm 0.5\%$ Full Scale Output, $\pm 0.6\%$ FSO for ranges greater and equal to 4,000 psi0+
Long-Term Stability	$\pm 0.2\%$ FSO (typically per year)
Wetted Parts	316SS Pressure port, Ceramic sensor with Viton O-ring
Shock	50 g's 11 ms, MIL-STD 202 Method 213 G
Vibration	15 g's 10 to 2,000 Hz, MIL-STD 202
Storage Temperature	-40 to 100 deg C (-40 to 212 deg F)
Media Temperature	-40 to 120 deg C (-40 to 248 deg F)
Reverse Polarity Protection	Yes
EMI-EMC Compliance	IEC 61000 4-2 to 4-6, IEC 61326-1 Class A
Enclosure Rating	NEMA 4X; IP65 or IP67
Approvals	UL listed or UL recognized for USA and Canada, see pressure ranges
Compliance	RoHS, REACH, CE
Operation Life	1 million cycles, minimum
Weight	120 g (4.23 oz)

ELECTRICAL CONNECTIONS								
ELECTRICAL SIGNAL	ELECTRICAL TERMINATION							
	Cable Outlet		Metripack 3-Pin Deutsch		M12 DIN 43650 A & C		4-Pin Deutsch	
	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT
+EXCITATION	RED	RED	PIN 1	PIN 1	PIN 1	PIN 1	PIN 2	PIN 2
-EXCITATION (COMMON)	BLACK	BLACK	PIN 2	PIN 2	PIN 2	PIN 2	PIN 1	PIN 1
VOLTAGE OUTPUT	WHITE	-	PIN 3		PIN 3	-	PIN 4	
CASE GROUND/DRAIN/EARTH	DRAIN	DRAIN		PIN 3	PIN 4	PIN 4	PIN 3	PIN 3



Process Connections				
1/4" NPT, Male	7/16-20 UNF male (JIC 37")	G1/4 male (gasket seal)	7/16-20 SAE #4 ORB	1/8" NPT Male

Order Codes (products in bold are normally stock in North America)

Range	Proof-Pressure (psi)	4/20mA, Ceramic w/O-ring, 1/4" NPT Process, 0.5% Acc*	
		DIN 43650 A	Cable Outlet (1M /3')
0-25 PSI (0-1.6 BAR), UL	50 psi	LE31105P5GN4CVU	LE31TR5P5GN4CVU
0-30 PSI (0-2 BAR), UL	60 psi	LE31106P5GN4CVU	LE31TR6P5GN4CVU
0-36 PSI (0-2.5 BAR), UL	72 psi	LE31107P5GN4CVU	LE31TR7P5GN4CVU
0-50 PSI (0-3 BAR), UL	100 psi	LE31108P5GN4CVU	LE31TR8P5GN4CVU
0-60 PSI (0-4 BAR), UL	120 psi	LE31109P5GN4CVU	LE31TR9P5GN4CVU
0-87 PSI (0-6 BAR), UL	174 psi	LE31101S5GN4CVU	LE31TR1S5GN4CVU
0-100 PSI (0-7 BAR), UL	200 psi	LE31102S5GN4CVU	LE31TR2S5GN4CVU
0-150 PSI (0-10 BAR), UL	300 psi	LE31103S5GN4CVU	LE31TR3S5GN4CVU
0-200 PSI (0-15 BAR), UL	400 psi	LE31104S5GN4CVU	LE31TR4S5GN4CVU
0-230 PSI (0-16 BAR), UL	460 psi	LE31105S5GN4CVU	LE31TR5S5GN4CVU
0-300 PSI (0-20 BAR), UL	600 psi	LE31106S5GN4CVU	LE31TR6S5GN4CVU
0-360 PSI (0-25 BAR), UL	720 psi	LE31107S5GN4CVU	LE31TR7S5GN4CVU
0-500 PSI (0-35 BAR), UL	1,000 psi	LE31108S5GN4CVU	LE31TR8S5GN4CVU
0-580 PSI (0-40 BAR), UL	1,160 psi	LE31109S5GN4CVU	LE31TR9S5GN4CVU
0-725 PSI (0-50 BAR), UL	1,450 psi	LE31101T5GN4CVU	LE31TR1T5GN4CVU
0-870 PSI (0-60 BAR), UL	1,740 psi	LE31102T5GN4CVU	LE31TR2T5GN4CVU
0-1,000 PSI (0-70 BAR), UL	2,000 psi	LE31103T5GN4CVU	LE31TR3T5GN4CVU
0-1,500 PSI (0-100 BAR), UL	3,000 psi	LE31104T5GN4CVU	LE31TR4T5GN4CVU
0-2,000 PSI (0-150 BAR), UL	4,000 psi	LE31105T5GN4CVU	LE31TR5T5GN4CVU
0-2300 PSI (0-160 BAR), UL	4,600 psi	LE31106T5GN4CVU	LE31TR6T5GN4CVU
0-3,000 PSI (0-200 BAR), UL	6,000 psi	LE31107T5GN4CVU	LE31TR7T5GN4CVU
0-3,600 PSI (0-250 BAR)	7,200 psi	LE31108T5GN4CVU	LE31TR8T5GN4CVU
0-4000 PSI (0-300 BAR)	8,000 psi	LE31109T5GN4CVU	LE31TR9T5GN4CVU
0-5,000 PSI (0-350 BAR)	10,000 psi	LE31101U5GN4CVU	LE31TR1U5GN4CVU
0-6,000 PSI (0-400 BAR)	12,000 psi	LE31102U5GN4CVU	LE31TR2U5GN4CVU
0-7500 PSI (0-520 BAR)	15,000 psi	LE31103U5GN4CVU	LE31TR3U5GN4CVU

Series Number (how to order)

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