

LE1 High-Volume Transmitter



Description & Features:

- Developed for high-volume OEM applications,
- Compact stainless steel construction with ceramic sensor
- Available ranges include in/Hg up to 5,000 psi
- Wide range of mechanical and electrical connections
- $\pm 0.5\%$ accuracy
- IP67 enclosure rating
- CE approved
- 1 year warranty

Applications:

- Suitable for a variety of applications including pump and compressor monitoring, refrigeration and HVAC

Specifications

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Output Signal	Standard 2-wire: 4-20 mA / $V_s = 12-30$ Vdc Optional 3-wire: 0.5-4.5 Vdc/ $V_s = 10-30$ Vdc
Accuracy	$\pm 0.5\%$ FSO / $\pm 0.25\%$ BFSL
Response Time	<10 msec
Measuring Rate	1 kHz
Insulation	>100m Ω @ 50v
Permissible Temperatures	Operating: -40°F to 212°F (-40°C to 100°C) Compensating: 14°F to 176°F (-10°C to 80°C) Storage: -58°F to 257°F (-50°C to 125°C)
Pressure Port / Housing	304 SS
Wetted Parts	Seals: FKM (Viton® standard). Diaphragm: Ceramic
Current Consumption	2-wire: 25 mA max 3-wire voltage: 5 mA (short-circuit current 20 mA)
EMC	EMI: EN50087-1/-2 EMS: EN50082-2
Approval	CE

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Order Codes

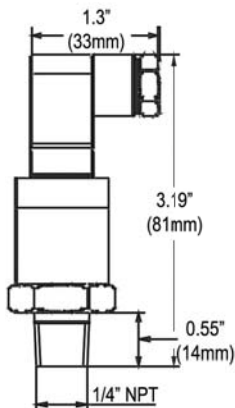
Range	Overpressure	Burst Pressure	Code
30" Hg Vac	15 psi	30 psi	LE130VC
30"/0/30 psi	45 psi	90 psi	LE10030
30"/0/60 psi	75 psi	150 psi	LE10060
30"/0/100 psi	150 psi	300 psi	LE10100
30"/0/150 psi	225 psi	450 psi	LE10150
0/15 psi	23 psi	45 psi	LE115
0/25 psi	38 psi	75 psi	LE125
0/50 psi	75 psi	150 psi	LE150
0/60 psi	90 psi	180 psi	LE160
0/100 psi	150 psi	300 psi	LE1100
0/150 psi	225 psi	450 psi	LE1150
0/200 psi	300 psi	600 psi	LE1200
0/300 psi	450 psi	900 psi	LE1300
0/500 psi	750 psi	1,500 psi	LE1500
0/1,000 psi	1,500 psi	3,000 psi	LE11000
0/2,000 psi	3,000 psi	6,000 psi	LE12000
0/3,000 psi	4,500 psi	9,000 psi	LE13000
0/5,000 psi	7,500 psi	15,000 psi	LE15000

Range	Overpressure	Burst Pressure	Code
-1/0 bar	1 bar	2 bar	LE130VCR11
-1/3 bar	4.5 bar	9 bar	LE10030R11
-1/4 bar	6 bar	12 bar	LE10060R11
-1/6 bar	9 bar	18 bar	LE10100R11
-1/10 bar	15 bar	30 bar	LE10150R11
0/1 bar	2 bar	3 bar	LE115R11
0/1.6 bar	2 bar	5 bar	LE125R11
0/2.5 bar	4 bar	8 bar	LE150R11
0/4 bar	6 bar	12 bar	LE160R11
0/6 bar	9 bar	18 bar	LE1100R11
0/10 bar	15 bar	30 bar	LE1150R11
0/16 bar	24 bar	48 bar	LE1200R11
0/25 bar	38 bar	75 bar	LE1300R11
0/40 bar	60 bar	120 bar	LE1500R11
0/60 bar	90 bar	180 bar	LE11000R11
0/100 bar	150 bar	300 bar	LE12000R11
0/160 bar	240 bar	480 bar	LE13000R11
0/250 bar	375 bar	750 bar	LE15000R11

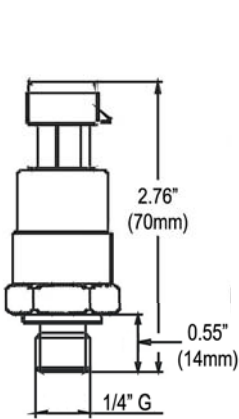
Note: Other connections available upon request

Electrical Connection

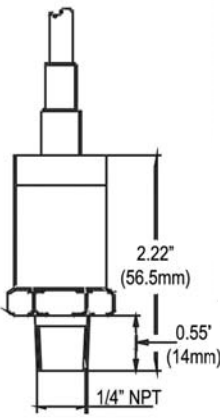
Micro



Packard

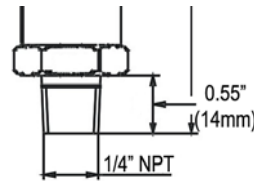


Cable Leads

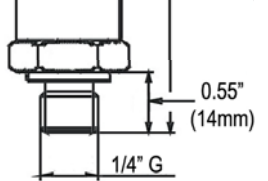


Mechanical Connection

Standard

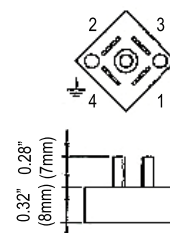


Optional

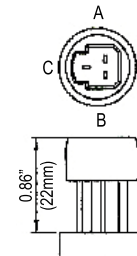


Wiring Diagram

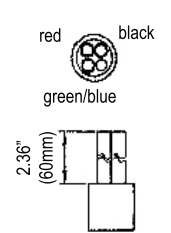
Micro



Packard



Cable Leads



Micro			Packard			Cable Leads		
Pin #:	2-wire (current):	3-wire (voltage):	Pin #:	2-wire (current):	3-wire (voltage):	Pin #:	2-wire (current):	3-wire (voltage):
1	Vcc	Vcc	A	No Connection	Ground	Red	Vcc	Vcc
2	lout	Ground	B	Vcc	Vcc	Blue/Green	lout	Vout
3	No Connection	Vout	C	lout	Vout	Black	No Connection	Ground
4	Shield	Shield	-	-	-	Yellow	Shield	Shield