

Brooks® SLR Series Transducer Display

Miniature, high-accuracy point-of-use pressure transducer display

- » Miniature size
- » Bright red LED display
- » Stable electronics, increased noise immunity, low power requirements
- » Standard mount design, user-selectable orientation



Miniature Local Display of Process Pressure

Brooks' SLR Series transducer display is a miniature digital transducer display for use on 1.125 inch surface substrate. It is designed to interface to transducers with 30 PSI and 100 PSI full scale pressure ranges. The SLR utilizes a Light Emitting Diode (LED) with two selectable engineering units (PSI and KPa) and can be rotated to be positioned at all four quadrants.

Extremely Accurate Reading, Industry-Standard Connections

The SLR has increased noise immunity and proprietary designs to provide extremely accurate pressure readings, even in the most challenging environments. The SLR is electrically interfaced using a high-density 15-pin D-Sub connector. The device uses an externally supplied 13 to 32 VDC excitation which in turn is supplied to the mating Brooks SolidSense II® pressure transducer.

Features

- Easy to locate in a wide range of tools and delivery systems.
- Easy to read local indication of process pressure.
- Delivers an extremely accurate display of process pressure in the most challenging environments, with lower power consumption.
- No manual adjustments or calibrations are required; Ease of use and installation; can be adjusted in four quadrants for versatile one-part ordering for multiple application locations.

Applications

Gas delivery systems and tools including:

- Gas Cabinets
- Valve Manifold Boxes (VMBs)
- Gas Panels
- Bulk Gas Distribution Systems

Product Configurations

SLR



DISPLAYED RANGE

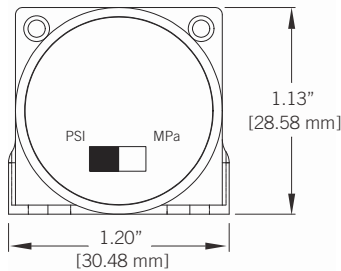
PSI	KPa
00A = 0 to 30 PSIA	0 to 206
00G = -14 to 15.7 PSIG	-101 to 108
00C = -14 to 30 PSIG	-101 to 206
01A = 0 to 100 PSIA	0 TO 689
01G = -14 to 85.3 PSIG	-101 TO 588
01C = -14 TO 100 PSIG	-101 TO 689



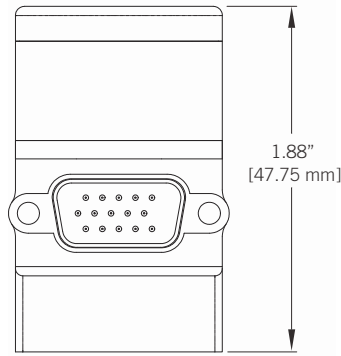
INPUT SIGNAL

3 = 0 to 10 VDC
4 = 4 to 20 mA
5 = 0.05 to 5.05 VDC

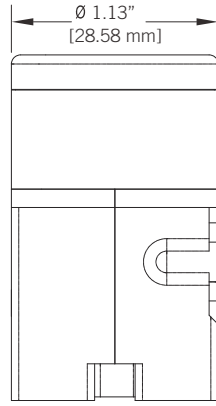
Product Dimensions



FRONT VIEW



BOTTOM VIEW



SIDE VIEW

Brooks SLR Series Transducer Display Specifications

Performance

Accuracy	2 Display Count
Linearity	±1 Display Count
Thermal Sensitivity	0.2 Display Counts/°C

Mechanical

Display Type	Light Emitting Diode (LED)
Display Height	0.3 inches
Housing	Stainless steel, polymer plastics

Connections

Electrical Connection	High-density 15-pin D-Sub (DEBS-9)
Transducer Connector	High-density 15-pin D-Sub (DEBS-9)

Power

Power Requirements	13 to 32 VDC
Input Requirements	20mA Typical; 40mA Maximum
Output	0-10 VDC

Operating Conditions

Temperature Range	30° to 140°F (0° to 60°C)
Visual Display	290° Total Rotation

I/O Interface Connector (HD DB15 Male)	SIGNAL	Transducer Interface Connector (HD DB15 Female)
1, 3, 4, 6, 8, 11, 13, 14, 15	Not Used	1, 3, 4, 6, 8, 11, 13, 14, 15
2	Output	2
5	Power Supply Common	5
7	Power Input	7
12	Signal Common	12



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