Model LD 330
Local Display

Setra's Model LD 330 is a small Local Display designed to be easily installed in-line between a Setra pressure transducer and the user's data acquisition system and power supply. It has a low power consumption 3-1/2 digit analog to digital converter with a Liquid Crystal Display (LCD). The compact housing allows transducer and power supply connection through a variety of electrical terminations. The LD 330 is factory calibrated to read the specified range in engineering units. Zero and Span display adjustments are made through multi-turn potentiometers conveniently located on the front face. The LD 330 is lightweight and easily mounted using back or bottom mount integral connectors. With the Bayonet or Mini-Din connector, the housing rotates up to 280 degrees for optimum display viewing.

Specifications

	LD 330V Voltage Input Display	LD 330C Loop Powered Display
Display		
Digits	-999 to 1999	-999 to 1999
Type	7 Segment LCD, Green Backlit	7 Segment LCD (Backlit Optional)
Polarity	Automatic (-) Display	Automatic (-) Display
Overload	1 Followed by Blank Display	1 Followed by Blank Display
Accuracy	0.25% of Reading ±1 Count	0.25% of Reading ±1 Count
Environmental		
Operating Temperature	+32°F to +140°F (0°C to +60°C)	+32°F to +140°F (0°C to +60°C)
Storage Temperature	-40°F to +158°F (-20°C to +70°C)	-40°F to +158°F (-20°C to +70°C)
Temperature Coefficient	100 ppm/°C	100 ppm/°C
Electrical Data		
Input Signal	0.5 to 10.5 VDC Full Scale Voltage	4-20 mA Loop Powered
Excitation	8 VDC to 30 VDC (Display Only) 300k Ohm Minimum Input Impedance 30 mA Current Consumption 3 mA with Backlight Disabled At 32 VDC = 15 mA	4 VDC Max Voltage Drop
Zero/Span Adjustment	Multi-Turn Potentiometers	Multi-Turn Potentiometers
Protection	Reverse Polarity Protection	100 mA Current Limit

NOTE: Setra adheres to strict quality standards including ISO 9001 and ANSI-Z540-1.
The calibration of this product is NIST traceable.

Applications

- Semiconductor Process Tools
- High Purity Gas Delivery Systems
- Integrated Gas Sticks

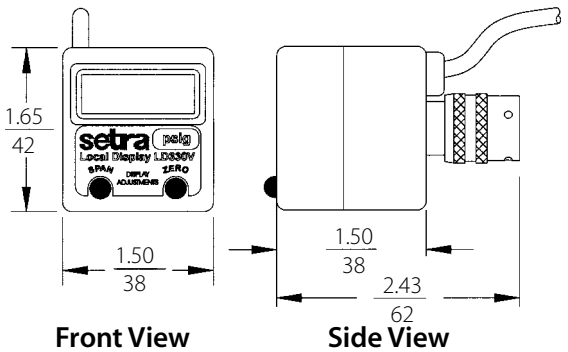
Features

- Convenient Local Display
- Small Size
- Low Power Consumption
- 3-1/2 Digit LCD Display
- Designed to be Installed In-line
- Pressure Displayed in Desired Engineering Units
- Available for Voltage or Current Input Devices
- Easily Mounted with Integral Connectors
- Low Cost
- Available in Panel Mount Version
- Meets CE Conformance Standards

When it comes to a product to rely on, choose the Model LD 330. When it comes to a company to trust, choose Setra.

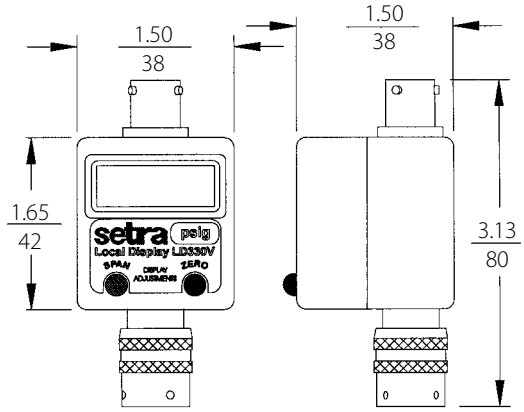
Model LD 330 Specifications

Outline Drawings

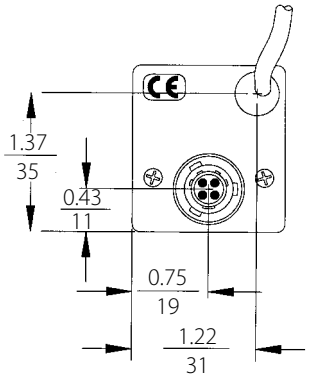


Front View (3301XXXRC) **Side View (3301XXXRC)**

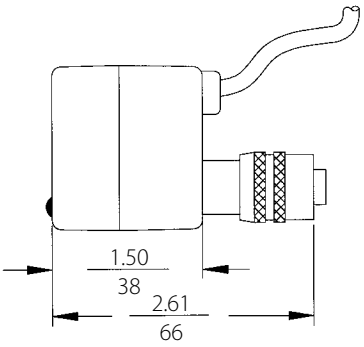
IN / MM



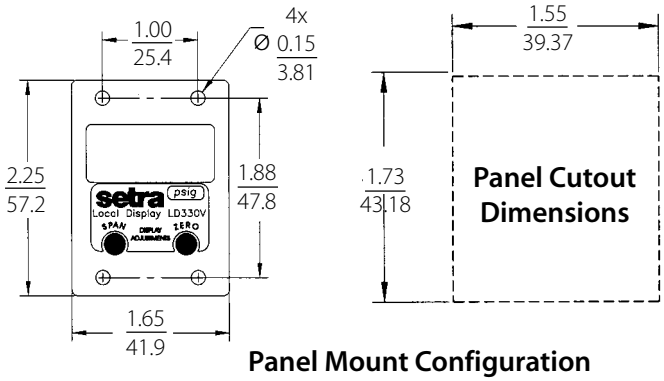
Front View (3301XXXBT) **Side View (3301XXXBT)**



Back View (3301XXXL1)



Side View (3301XXXL1)



Panel Mount Configuration

Typical configurations. Consult factory for other configuration dimensions.
Specifications subject to change without notice.

SSP LD330 Rev. E 09/30/03

ORDER and SPECIFYING INFORMATION

Code all blocks in table.

Example: Part No. 3301-V-3-C-B-T is a Model 330 with 0.2 to 5.2 VDC input, 100.0 pressure range, compound pressure, Bayonet-Female-Bottom connection to transducer and a Bayonet-Male-Top connection to power supply.

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Model

3301 = 330

Input

V = 0.2-5.2 VDC
M = 0-5 VDC
N = 0.2-10.2 VDC
L = 0-10 VDC
C = 4-20 mA
B = 4-20 mA Backlit

Pressure Range

PSI Range
1 = 25.0
2 = 50.0
3 = 100.0
4 = 250
5 = 500
6 = 1000
7 = 3.00K psi

Bar Range
A = 1.700
B = 3.40
C = 7.00
D = 17.00
E = 34.0
F = 70.0
G = 210
H = 200
J = 35.0

Pressure

G = Gauge
C = Compound
A = Absolute

Electrical Connection to Transducer

B = Bayonet, Female, Bottom
R = Bayonet, Female, Rear
L = Bayonet, Female, Low Rear
H = Bayonet, Female, High Rear
M = Mini-Din, Male, Rear
N = Mini-Din, Male, Bottom
D = High-Density 15 pin D-Sub, Female, Rear
E = High-Density 9 Pin D-Sub, Female, Rear
F = Molex, Male, Rear
G = High-Density 9 Pin D-Sub, Female, Bottom

Electrical Connection to Power Supply

T = Bayonet, Male, Top
R = Bayonet, Male, Rear
A = AMD, Jack, Top
C = 6ft. Cable, Rear
K = 6ft. Cable, Top
D = High Density 15 Pin D-Sub, Male, Bottom
E = High Density 9 Pin D-Sub, Male, Bottom
B = Bayonet, Male, Bottom
F = 1 ft. Cable, Top
J = 2 ft. Cable, Top
L = 3 ft. Cable, Top
U = 4 ft. Cable, Top
V = 5 ft. Cable, Top
W = 7 ft. Cable, Top
1 = 1 ft. Cable, Rear
2 = 2 ft. Cable, Rear
3 = 3 ft. Cable, Rear
4 = 4 ft. Cable, Rear
5 = 5 ft. Cable, Rear
7 = 7 ft. Cable, Rear

Options

NONE = (leave blank) for Standard Display
PN = Panel Mount (Panel Mount is not available for 4-20 mA Backlit, Code B)