

# Attachable Loop-Powered Digital Indicator



## SERIES 1800

**HIGH ACCURACY 4 mA to 20 mA LOOP-POWERED INDICATOR**  
(for series 600, 615, 616 and 800 transmitters)

The Model 1800 Attachable Loop-Powered Digital Indicator can be fitted to NOSHOK pressure transmitters utilizing a 4 mA to 20 mA output signal and the Hirschmann (DIN 43650A) connector. It is simply inserted between the transmitter body and the connector. The indicator is programmable to display a range of -1999 to 9999, and it may be tilted for better viewing. Also, there is user selectable digital filtering to improve readability in rapidly varying pressure pulsations. All parameters are stored in non-volatile memory so that reprogramming is not necessary in the event of a power failure.

And NOSHOK will calibrate the indicator to your transmitter at no additional cost. Simply tell us how you want it set up and it is done.

### FEATURES

- 4 digit local display
- Easy menu-driven programming
- Powered by the 4 mA to 20 mA loop
- No extra wiring needed, inserts between the Hirschmann connector and transmitter body
- Selectable digital filtering

### APPLICATIONS

- Hydraulic and pneumatic systems
- Pumps and compressors
- Test equipment and systems
- Industrial machinery and machine tools
- HVAC systems
- Power generation
- Water and wastewater

### SPECIFICATIONS

Display	.4" Liquid Crystal Display
Digits	4, from -1999 to 9999
Accuracy	+/-0.2 % Full Scale, +/-1 digit
Update rate	5 times/second
Filtering	Digital, field selectable .2, .5, 1 or 1.5 seconds
Range	The 4 mA to 20 mA signal from the transmitter can be assigned any display value within the display range. Both scaling points are individually adjustable using the push buttons inside the case
Power	Loop-powered - no additional power supply required. Maximum current rating is 40 mA and voltage drop of 3 Vdc
Temperature ranges	Ambient 32 °F to 122 °F (0 °C to 50 °C) Effect is +/-0.006 % Full Scale/°F Storage -22 °F to 176 °F (-30 °C to 80 °C)
Electrical	Requires NOSHOK transmitter with 4 mA to 20 mA (2-wire) output and Hirschmann (DIN 43650A) connector
Environmental Protection	IP65, NEMA 4X according to EN 60529/IEC 529
Electromagnetic capability	CE compliant, emission to EN 50081-1, and immunity to EN 50082-2 (RFI, EMI and ESD protected)
Case material	ABS plastic with polycarbonate window
Weight	Approximately 3 oz.

### ORDERING INFORMATION

1. Order Series 1800
2. Indicate display range on order  
eg. 0-1000 for 4 mA to 20 mA

