



Unit with relay option.



## 1800 SERIES

- High accuracy 4 mA to 20 mA loop-powered indicators for NOSHOK 300, 600, 615, 616 and 800 Series transmitters
- Can be fitted to NOSHOK pressure transmitters utilizing a 4 mA to 20 mA output signal and the Hirschmann (DIN 43650A) connector
- Easily inserted between the transmitter body and the connector
- Programmable to display a range of -1999 to 9999; may be tilted for better viewing
- User selectable digital filtering improves readability in rapidly varying pressure applications
- All parameters are stored in non-volatile memory so that reprogramming is not necessary in the event of a power failure

### APPLICATIONS

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

### SPECIFICATIONS

Input signals	4 mA to 20 mA (optional 0 Vdc to 10 Vdc)	
Process display	4 digit, 0.4" liquid crystal display (-1999 to 9999)	
Key pad	3 programmable function keys for relay option only	
Power requirement	Loop powered by sensors excitation	
	Power consumption	40 mA max.
	Voltage drop	3 Vdc
Electrical connection	Hirschmann, DIN EN 175301 803 form A	
Memory	EEPROM	
Accuracy	<0.2% of full scale, $\pm 1$ digit	
Humidity	<90%, non-condensing	
Update rate	200 msec	
Temperature ranges	Operating	32 °F to 122 °F (0 °C to 50 °C)
	Effect	$\leq 0.1\%$ of full scale/18 °F (10 °C)
	Storage	-22 °F to 176 °F (-30 °C to 80 °C)
Electromagnetic rating	CE compliant to EMC norm EN 61326-1	
	RFI, EMI and ESD protection	
Environmental rating	NEMA 4, 4X, IP65 (front of display only)	
Filtering	0.2 seconds to 1.5 seconds, selectable	
Relay option	1 transistor, n-switching	
Linearization	2 point	
Weight	3 oz.	



To install, remove the DIN 43650A plug and insert indicator on top of transducer and reinstall the plug. This indicator can be used with NOSHOK and some competitive transmitters with 2-wire 4 mA to 20 mA output, Hirschmann connector with the same pin configuration. (Pin 1 + supply, pin 2 + output)

Shown with 800 Series Temperature Transmitter

Shown with 300 Series Pressure Transmitter

ORDERING INFORMATION	
SERIES	1800
OPTIONS	0 No options                      1 With relay

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

Note: Indicate display range on order eg. 0-1,000 for 4 mA to 20 mA

**EXAMPLE**

Series .....1800 Series  
 Option.....With relay

1800 - 1

