



Pressure Sensors and Transducers

Rugged industrial grade hydraulic pressure sensors



FEATURES

- Built-in snubber for hydraulic applications
- Environmentally sealed to IP66
- High strength stainless steel construction
- 2x overrange protection, 5x burst (to 20,000psi)
- No oil, welds or internal o-rings
- Wide operating temperature range
- High accuracy
- EMI/RFI protection
- UL/cUL approved

ENVIRONMENTAL DATA

Temperature, operating	-40 to 85°C (-40 to 185°F)
Temperature, storage	-40 to 100°C (-40 to 212°F)
Compensated Range	0 to 55°C (30 to 130°F)
TC Zero	<+/-1.5% of FS
TC Span	<+/-1.5% of FS
Shock	100G, 11msec, 1/2 sine
Vibration	10G peak, 20 to 2000 Hz
EMI/RFI Protection	Yes
Rating	IP-66 (housing only)

ORDERING INFORMATION

MIR4000 A 02500 P 8 Z

Series Type

Process Connection

- A= 1/4" NPT Male
- B= 1/8" NPT Male
- F= 7/16" - 20 UNF Male

Pressure Range

Insert 5-digit pressure range code

Pressure Unit

P= PSI

Outputs

- 3= 1-5V (10-28VDC power)
- 4= 4-20mA (10-28VDC, 2 wire loop powered)
- 6= 1-6V (10-28VDC power)
- 8= 0.5-5.5V (10-28VDC power)

Electrical

Z= 4-pin Deutsch DT series

Standard pressure ranges (PSI):

25, 50, 100, 150, 200, 250, 500, 1000, 2500, 5000, 7500, 10000

Example code: 50 = 00050

All models feature 4-pin Deutsch DT series connector.

Consult factory for custom cables or other connector options.

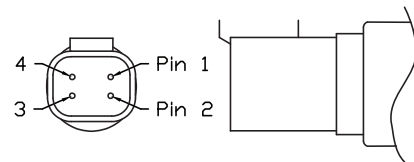
Wetted material is 17-4PH stainless steel.

Internal snubber/restrictor included.

PERFORMANCE (@25°C)

Accuracy*	<+/-0.5% BFSL
Stability (1-year)	+/-0.25% FS, typical
Over range protection	2X rated pressure
Burst pressure	5X or 20,000 PSI (lesser value)
Pressure cycles	>100,000,000
*Accuracy includes non-linearity, hysteresis & non-repeatability.	

WIRING



Deutsch: DT04 - 4 Pin				
Output Type	Pin 1	Pin 2	Pin 3	Pin 4
mV & 4-Wire Voltage	+V	GND	+S	-S
3 Wire Voltage	+V	GND	S	N/C
4-20 mA	+V	GND	N/C	N/C