Mid-West®
Instrument

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February-07

Model 124 Series "10,000 PSIG" High Working Pressure Gauge

Piston Type Differential Pressure Gauge, Switch or Transmitter

Model 124 shown with End Connections

Range:0-5 PSID to 0-110 PSID (0.35 to 7.0 bar) 0-150 PSID to 0-400 PSID (10.0 to 27.6 bar)

Competitively priced, piston type differential pressure gauge, switch or transmitter for use on High Pressure Filters, Strainers, Pumps, Liquid Level, Sub Sea / Deep Well and Flow Indication

- Choice of one or two magnetically actuated hermetically sealed reed switches to provide high and low limit alarm or control. or 4-20ma transmitter.
- Working pressure 10000 P.S.I.G. (689 bar)
- Over-range protection to max. pressure.
- 316 stainless steel gauge body with 316 stainless steel internals
- Weather-resistant construction standard.
- Accuracy ± 2% full scale (ascending)*.
- Shatter resistant lens.
- 2 ½" and 4 ½" plastic dial assemblies
- Five Year Limited Warranty

* ASME B40.100 Grade B

Model 124 Indicating Switch(es) or 4-20ma Transmitter Specifications

TRANSMITTER

Features: Microprocessor based, external zero interface, 8-28 Vdc loop powered, 2 wire interface

Electrical

Accuracy	± 2%(top 80% of scale)
Supply Voltage	8-28 Vdc
Output	4-20 ma
Max Loop Resistance	1000 Ohms

Interface

4 position terminal strip for 12-22 Awg wire, (Pin 1 = return, Pin 2 = zero Pin 3 = 8-20 Vdc, Pin 4 = chassis 1/2" NPT access

Environmental Rating Weather Proof (NEMA 4X, IP65)

SWITCH(ES)

Features: One or two hermetically sealed reed switches

Electrical

Switch rating and Adjustability

0-3W, .25 Amp
125 VAC (15-95% F.S.)
60W, 3.0 Amp
240 VAC (20-95% F.S.)

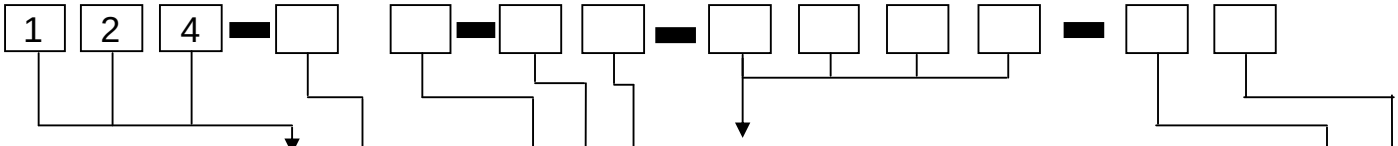
Interface

7 position terminal strip for 12-22 Awg wire 1/2" NPT access

Environmental Rating Weather Proof (NEMA 4X, IP65)

Standard Model Specifications 124-SA-00-OO

10000 P.S. I G. Working Pressure316L Stainless Steel Body, Stainless Steel Piston, Ceramic Magnets, Buna N Seals, 2 1/2" Engineering Plastic Case with shatter-resistant lens. 1/4" FNPT Back Connections.Accuracy ±2% Full Scale (Ascending)*



1 **BASIC MODEL NUMBER**

2 **MATERIAL**
- S. 316 S.S. Body & S.S. Piston (Standard)
- Z. Special (Uncoded Options)

3 **DIAL SIZE** (Engineering Plastic Housing Unless Stated)
- A. 2½" Round Uni-Directional Engineered Plastic Housing Assy. (Standard)
- C. 4½" Round Uni-Directional Engineered Plastic Housing Assy.
- E. 3 ½" Round Uni-Directional Anod. Aluminum Housing Assy.
- G. 4 ½" Round Uni-Directional Anod. Aluminum Housing Assy.
- T. Non-indicating (Select Appropriate Electrical Option)
- Z. Special (uncoded options)

4 **SEALS**
- 0 . Buna N (standard)
- 1 . **Viton®
- 5 . Ethylene Propylene
- 9 Special (Uncoded Options)

5 **CONNECTIONS**
- 0 . ¼" FNPT Back Connections (standard)
- 2 . ¼" FNPT End Connections
- 4 1/2" FNPT End Connections
- 7 . 1/2" FNPT Stainless Steel Adaptors
- 9 . Special (uncoded options)

**Viton is a registered trademark of DuPont Dow Elastomers

6 **OPTIONS** (Up To Four Options)
- O. None (Standard)
- A. Reversed high/low process connections
- F. Pipe Mounting Kit (carbon steel)
- G. Pipe Mounting Kit (Stainless steel)
- L. Liquid Fill (Not available w/follower pointer)
- M. Maximum Indicator Follower Pointer
- T. Oxygen Cleaning
- U. S.S. Tag with S.S. Wire
- W. Wall Mounting Kit
- Z. Special (uncoded options)

7 **ELECTRICAL CONFIGURATIONS**
- A. One (1) Switch in STD. enclosure with grommet Wire Seal
- B. One (1) Reed switch in NEMA 4x/IP65 Plastic enclosure
- C. with terminal strip (1/2" FNPT Conduit Connection) Two (2) Reed switch in NEMA 4x/IP65 Plastic enclosure
- D. with terminal strip (1/2" FNPT Conduit Connection) 4-20 mA Transmitter in NEMA 4X/IP65 plastic enclosure
- L. (with terminal strip. 1/2" FNPT conduit connection.
- M. (±2% accuracy from 20% to 100% of scale, Ascending)
- T. 4-20 mA Transmitter in NEMA 4X/IP66 Plastic enclosure with terminal strip **(1/2" FNPT Conduit Connection)**

8 **ELECTRICAL SPECIFICATIONS**
- A. S.P.D.T., 3W, 0.25 Amp., 125 VAC/VDC (Standard Switch adjustable range of 15-95%)
- E. S.P.S.T., 60W, 3.0 Amp, 240 VAC/VDC (Normally open) (Switch adjustable range of 20-95%)
- F. S.P.S.T., 60W, 3.0 Amp., 240 VAC/VDC (Normally Closed)(Switch adjustable range of 20-95%)
- G. S.P.S.T., 60 W, 3.0 Amp., 240 VAC/VDC One (1) Normally Open, One (1) Normally Closed
- T. 4-20 ma Transmitter (8-28 VDC Loop power)
- Z. Special (Uncoded Options)