

1 MODELNO. 105/106 DIFFERENTIAL PRESSURE GAUGE

	DIFFERENTIAL PRESSURE RANGE					DIFFERENTIAL PRESSURE RANGE			
	105	105	106	106		105	105	106	106
in. H ₂ O	0-10 thru 0-29.9 ±1% Accuracy Only	0-30 thru 0-80	Over 0-80 thru 0-99.9	0-100 thru 0-400	PSID	0-40 thru 0-1.0 ±1% Accuracy Only	0-1.1 thru 0-2.9	0-3.0 thru 0-3.9	0-4.0 thru 0-15.0

2 WORKING PRESSURE & MATERIAL

Models 105/106 General Specifications: 6" Round Dial Weather-Resistant Case of "Engineering Plastic" With Shatter-Resistant Acrylic Lens And Pipe/Panel Mounting Kit.

MODEL 105 or 106	WORKING PRESSURE	MATERIAL OF CONSTRUCTION	MODEL 105 or 106	WORKING PRESSURE	MATERIAL OF CONSTRUCTION
C	1500 P.S.I.G.	Aluminum Body, Copper Alloy Internals, 1/4" FNPT (Dual Top &Bottom)	M	1500 P.S.I.G.	Mild Carbon Steel Body, Stainless Steel Internals, 1/4" FNPT (Dual Top &Bottom)
D	3000 P.S.I.G.				
E	6000 P.S.I.G.				
F	1500 P.S.I.G.	Aluminum Body, Stainless Steel Internals, 1/4" FNPT (Dual Top &Bottom)	Q	1500 P.S.I.G.	316 Stainless Steel Body, S.S. Internals, 1/4" FNPT (Dual Top &Bottom)
G	3000 P.S.I.G.				
H	6000 P.S.I.G.				
J	1500 P.S.I.G.	Mild Carbon Steel Body, Copper Alloy Internals, 1/4" FNPT (Dual Top &Bottom)	U	1500 P.S.I.G.	Brass Body, Copper Alloy Internals, 1/4" FNPT Connections (Dual Top &Bottom)
K	3000 P.S.I.G.				
L	6000 P.S.I.G.				
			V	500 P.S.I.G.	Brass Body, Copper Alloy Internals, 1/4" FNPT Connections (Dual Top &Bottom)
			X	1500 P.S.I.G.	Brass Body, Stainless Steel Internals, 1/4" FNPT Connections (Dual Top &Bottom)

3 DIALTYPE & ACCURACY

- E. ±1% Full Scale Accuracy, Uni-Directional (Standard)
- *F. ±1% Total Span Accuracy, Bi-Directional
- G. ±1/2% Full Scale Accuracy, Uni-Directional (Not Available on 105 Below 30" WC)
- Z. Special (Uncoded Options)

*NOTE: (Bi-directional ranges are not additive when pricing differential range - i.e. 10-0-10 = 10, etc.)

4 SEALS

- 0. Buna N (Standard)
- 1. *Viton®
- 2. Neoprene
- 5. Ethylene Propylene
- 6. Perfluorelastomer
- 9. Special (Uncoded Options)

*Viton® is a Registered Trademark of DuPont Dow Elastomers.

NOTE: The use of Diaphragm seals is not recommended for the models 105/106 series gauges. Attempts to install such seals will void the warranty

5 CONNECTIONS (2 each)

- 0. 1/4" FNPT Connections (Dual-Top & Bottom) (Standard)
- 1. 1/4" Carbon Steel Compression Tube Fittings
- 2. 1/4" Stainless Steel Compression Tube Fittings
- 3. 1/2" Brass FNPT Adaptors
- 4. 1/2" Stainless Steel FNPT Adaptors
- 5. 7/16"-20 Str. Thd. O-Ring Port, (Dual Top/Bottom)
- 9. Special (Uncoded Options)

6 OPTIONS

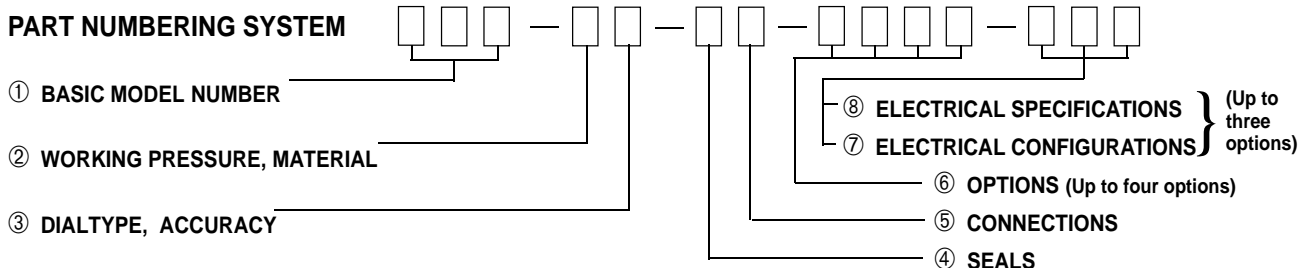
- O. None
- F. Pipe Mount Kit
- S. Shatterproof Lens
- T. Oxygen Cleaning
- U. S.S. Tag with S.S. Wire
- V. S.S. Tag with S.S. Screws
- W. Wall Mounting Bracket
- Y. 4-1/2" Round Dial
- Z. Special (Uncoded Options)

NOTE: Not all options available in combination with other options.

7 ELECTRICAL CONFIGURATIONS (If Required) (See Page 6)

8 ELECTRICAL SPECIFICATIONS (If Required) (See Page 6)

PART NUMBERING SYSTEM



**“LOCKED LOGIC” SOLID STATE ALARM-CONTROL
FOR ALL 105, 106 & 109 GAUGES
(NOTE - 6” DIAL SIZE ONLY)**

7 ELECTRICAL CONFIGURATIONS

SELECT APPROPRIATE MODEL BELOW AND ADD LETTER IN LOCATION 7 IN PART NUMBER.

- 0. NONE
- A. 1 Control switch in Weatherproof Enclosure
- B. 2 Control switches in Weatherproof Enclosure
- C. 1 Control switch in Class 1, Group B, C & D Explosion-Proof Enclosure with Pipe Mounting Kit **Standard**
- D. 2 Control switches in Class 1, Group B, C & D Explosion-Proof Enclosure with Pipe Mounting Kit **Standard**
- Z. Special (Uncoded Options)

NOTE: Standard Control Relays are SPDT

8 ELECTRICAL SPECIFICATIONS

SELECT APPROPRIATE MODEL BELOW AND ADD LETTER (IF REQUIRED) IN LOCATION 8 IN PART NUMBER.

• **INPUT OPTIONS**

- A. 8 to 28 VDC**STANDARD**
- B. 115 VAC, 50/60 Hz**STANDARD**
- C. 220/240 VAC, 50/60 Hz**OPTIONAL**
- D. 115 VDC**OPTIONAL**
- E. Standby Battery Pack, 9 VDC, 115 VAC, 50/60 Hz**OPTIONAL**
- F. Standby Battery Pack, 9 VDC, 220/240 VAC, 50/60 Hz**OPTIONAL**
- Z. Special (Uncoded Options)**CONTACT FACTORY**

• **OUTPUT OPTIONS (Resistive Load) (Specify One) – 10 Amp. @ 28 VDC, 115/230 VAC (50/60 Hz)**
(1/2” NPT, 24” Flying Leads Standard Interface)
(3/4” NPT, 24” Flying Leads for two (2) DPDT Switches)

- A. SPDT Relay(s)**STANDARD**
- C. DPDT Relay(s) (Available for two (2) set points)**OPTIONAL**
- D. Adjustable Deadband, One (1) SPDT Output (Two (2) Control Switches Only)**OPTIONAL**
- E. Adjustable Deadband, One (1) DPDT Output (Two (2) Control Switches Only)**OPTIONAL**
- Z. Special (Uncoded Options)**CONTACT FACTORY**

• **ELECTRICAL LEADS (2 ft.) in weatherproof or flexible metal conduit**
(Specify When Ordering)

• **EXTRALENGTH ELECTRICAL LEADS (OVER 2 FT.) (Specify When Ordering)**

- Weatherproof Flexible Conduit (per foot)
- Flexible metal conduit (per foot)

NOTE: NOT ALLOPTIONS AVAILABLE IN COMBINATION WITH OTHER OPTIONS