

# Mid-West<sup>®</sup> Instrument

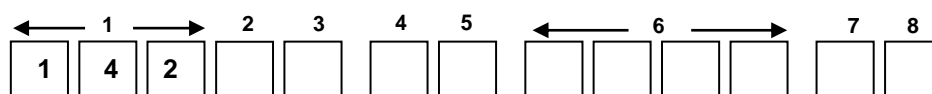
## MODEL SPECIFICATIONS

### Example Model Number Sequence: 142-AJ-00-00

3000 PSIG Working Pressure, Aluminum body, 316L Stainless Steel Internal Metal Parts, Ceramic Magnets, Buna-N Diaphragm and Seals, Teflon Guide Bushings, 1/4" FNPT Back Connections, 6" Round Dial, Engineered Plastic Dial Case with Shatter Resistant Acrylic Lens  
Accuracy  $\pm 3/2/3\%$  Full Scale (Ascending)

Range 0-20" H<sub>2</sub>O to 0-25 PSID (0-50 mbar to 0-1.7 bar)

*Gauge Body and Internal components are considered wetted parts.*



Basic Model

Range: \_\_\_\_\_

2	Material
A	Aluminum Body / 316 Stainless Steel Internal Metal Parts & Teflon Guide Bushings
B	Brass Body / 316 Stainless Steel Internal Metal Parts & Teflon Guide Bushings
S	316 Stainless Steel Body / 316 Stainless Steel Internal Metal Parts & Teflon Guide Bushings
Z	Special ( <i>Un-coded Options</i> )
3	Dial Size & Type
A	2-1/2" Round Dial w/Engineered Plastic Dial Case
C	4-1/2" Round Dial w/Engineered Plastic Dial Case
E	3-1/2" Round Dial w/Anodized Aluminum Dial Case
G	4-1/2" Round Dial w/Anodized Aluminum Dial Case
J	6" Round Dial w/Engineered Plastic Dial Case
T	Non-Indicating DP Switch Only
Z	Special ( <i>Un-coded Options</i> )
4	Seal Materials
0	Buna-N ( <i>Standard</i> )
1	Viton®-A Registered Trademark of Dupont
5	Ethylene Propylene
9	Special ( <i>Un-coded Options</i> )
5	Process Connections
0	1/4" FNPT Back Connections ( <i>Standard</i> )
2	Dual 1/4" FNPT Top & Bottom Connections ( <i>Non-Electrical Option Units Only</i> )
3	1/4" FNPT Bottom Connections
4	7/16"-20 straight thread O-Ring ( <i>Back Connections only</i> )
7	1/2" FNPT End Connections ( <i>2000 PSIG SWP for S.S. &amp; Aluminum Gauge Body</i> )
8	1/4" FNPT End Connections ( <i>2000 PSIG SWP for S.S. &amp; Aluminum Gauge Body</i> )
9	Special ( <i>Un-coded Options</i> )

## Model 142 - continued

6	Additional Options
O	NONE
A	Reversed High / Low Process Connections. <i>(Not available with T or W transmitter options)</i>
E	Two (2) 1/4-20 Mounting Holes
F	Carbon Steel 2" Pipe Mounting Kit <i>(Not available with reverse port switch option)</i>
G	Stainless Steel 2" Pipe Mounting Kit <i>(Not available with reverse port switch option)</i>
K	1/2" FNPT Stainless Steel Adapters <i>(Not available with end connections)</i>
L	Liquid Fill <i>(4-1/2" available with "G" option Aluminum Dial Case only) (Not available with shatterproof glass lens)</i>
M	Maximum Indicator Follower Pointer <i>(Not available with 3-1/2", 6" Dial or Liquid fill option) (Not available with shatterproof glass lens)</i>
N	NACE Available for Aluminum & Stainless Steel Gauge Bodies only. <i>(1,500 PSIG SWP)</i>
Q	CRN (Canadian Registration Number) <b>(1)</b>
S	Shatter Proof Glass Lens <i>(4-1/2" available with "G" option Aluminum Dial Case only)(Not available with liquid fill option)</i>
T	Oxygen Cleaning
U	Stainless Steel Tag with S.S. Wire
V	Stainless Steel Tag and S.S. Screw <i>(Contact factory on switch options)</i>
W	Wall Mount Kit <i>(Not available with back connections)</i>
X	Chemical Seals
Z	Special <b><i>(Un-coded Options)</i></b>
<b>(1) 1,375 PSIG SWP for Aluminum, Brass and Stainless steel Bodies</b>	
<b>NOTE: Not All Options Available in Combination with other Options</b>	
7	Electrical Configurations (CE and ROHS marked, except T & W )
O	None
A	One (1) Reed Switch in NEMA 4X/IP66 Enclosure
B	Two (2) Reed Switches in NEMA 4X/IP66 Enclosure
E	One (1) Reed Switch in NEMA 4X/IP66 Aluminum Enclosure, Division 2 Hazardous Locations <b>(1)(2)</b>
F	Two (2) Reed Switches in NEMA 4X/IP66 Aluminum Enclosure, Division 2 Hazardous Locations <b>(1)(2)</b>
T	4-20 mA Transmitter in NEMA-4X/IP66 aluminum enclosure <b>(3)</b>
W	4-20 mA Transmitter in general purpose enclosure, Division 2 Hazardous Locations <b>(1)(2)(3)</b>
Z	Special <b><i>(Un-coded Options)</i></b>
<b>(1) Complete assembly 3rd Party Certified Class I, Div.2, Groups A, B, C, &amp; D; Class II, Div.2, Groups F and G.</b>	
<b>(2) 1375 PSIG SWP for E, F &amp; W Hazardous locations electrical configurations</b>	
<b>(3) Contact factory for tank level or flow applications with transmitter configuration</b>	
8	Electrical Specifications (For Resistive Loads)
A	SPDT 3W, 0.25 Amp, 125 VAC/VDC (Switch adjustable range of 15-95%)
B	SPST, 25W, 0.5 Amp., 230 VAC/VDC (Normally Open) (Switch adjustable range of 15-95%)
T	4-20 mA Transmitter (8-28 VDC Loop Power) ( $\pm$ 2% Accuracy from 20-100% of scale, Ascending)
Z	Special <b><i>(Un-coded Options)</i></b>

Factory preset switches at no charge (Specify Setting)

**MID-WEST INSTRUMENT** has been serving a variety of industries (Power, Chemical, Petro-Chemical, HVAC, Water Filtration etc...) for over 50 years. Over 2,000,000 DP Gauges have been produced bearing the Mid-West name or private branded for our OEM customers!

Mid-West understands that in today's demanding environment, flexibility, quick response time and the ability to ship most of our product line in 2 weeks or less is essential to our customers. Standard configurations can be customized and modified to suit our customer's needs for ease of installation or retrofit.

If you are in need of additional information please visit our web site at [www.midwestinstrument.com](http://www.midwestinstrument.com) or contact us toll free at **1-800-648-5778** and one of our knowledgeable sales coordinators will be happy to assist you.