

Mid-West[®] Instrument

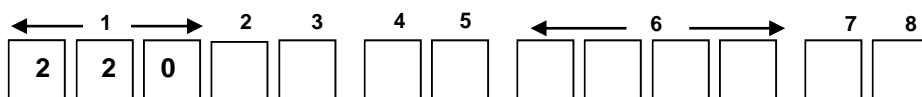
MODEL SPECIFICATIONS

Example Model Number Sequence: 220SC-02-O-JAA

4000 PSIG Working Pressure, 316 S.S. wetted pressure containing body assembly, Stainless Steel/Ceramic Magnet internals, Buna-N Seals, 1/4" FNPT End Connections, 4-1/2" Round Dial, Engineered Plastic Dial Case with Shatter Resistant Acrylic Lens, (1) 3W 125 VAC/VDC SPDT reed switch with terminal strip, aluminum explosion proof switch enclosure and 1/2" FNPT electrical access.
Accuracy ±3/2/3% Full Scale (Ascending)

Range 0-5 PSID to 0-100PSID (0-.35 bar to 0-7.0 bar)

Gauge Body and Internal components are considered wetted parts.



Basic Model

Range: _____

2	Material
S	316/316L S.S Wetted Pressure Containing Body Assembly Wetted Internals: Stainless Steel Piston & Ceramic moving components
Z	Special (<i>Un-coded Options</i>)
3	Dial Size & Type
C	4-1/2" Round Dial w/Engineered Plastic Dial Case
F	4-1/2" Round Dial w/Anodized Aluminum Dial Case
T	Non-Indicating DP Switch Only
Z	Special (<i>Un-coded Options</i>)
4	Seal Materials
0	Buna-N (Standard)
1	Viton®-A Registered Trademark of Dupont
2	Neoprene
5	Ethylene Propylene
6	Perfluorelastomers
9	Special (<i>Un-coded Options</i>)
5	Process Connections
2	1/4" FNPT End Connections (Standard)
7	1/2" FNPT End Connections
9	Special (<i>Un-coded Options</i>)
6	Additional Options
O	None
F	Carbon Steel 2" Pipe Mounting Kit
G	Stainless Steel 2" Pipe Mounting Kit
M	Maximum Indicator Follower Pointer (<i>Not available with Electrical Configurations R & S</i>)
Q	CRN (Canadian Registration Number)
S	Shatter Proof Glass Lens (<i>4-1/2" Available with option "G" Aluminum Dial Case only</i>)
T	Oxygen Cleaning
U	Stainless Steel Tag with S.S. Wire
V	Stainless Steel Tag with S.S. Screws
Z	Special (<i>Un-Coded Options</i>)
NOTE: Not All Options Available in Combination with other Options	

Model 220 - continued

7	"MODEL 220" ELECTRICAL CONFIGURATIONS (T6 Temperature Class unless specified)
A	One (1) Control switch in NEMA-4X enclosure (1) (6) (8)
B	Two (2) Control switches in NEMA-4X enclosure (1) (6) (7) (8)
J	One (1) Control switch in NEMA 7 (Explosion Proof Enclosure) (2)
K	Two (2) Control switches in NEMA 7 (Explosion Proof Enclosure) (2) (7)
R	One (1) Control switch in Ex d Enclosure (CE marked) ATEX / IECEx (2) (9)
S	Two (2) Control switches in Ex d Enclosure (CE marked) ATEX / IECEx (2) (7) (9)
T	4-20 mA Transmitter in NEMA7/EEExd (Explosion Proof Enclosure) (9) (Temperature Limits -20°F to +150°F)
Z	Special (10)
8	"INPUT OPTIONS" ELECTRICAL SPECIFICATIONS (Select (1) input and (1) output option)
A	No Input power for reed outputs A, E, F, G & H
B	5/6 VDC
C	12 VDC
D	24 VDC
E	48 VDC
F	24 VAC
G	120 VAC
H	240 VAC (T4-ATEX; T4A-NORTH AMER.) TEMP CLASS
T	8-28 Vdc Loop Power (Option T only)
"OUTPUT OPTIONS" ELECTRICAL SPECIFICATIONS (Resistive Load) (3)	
A	SPDT, 3W, 0.25 Amp., 125 VAC/VDC (Switch Adjustable 15-90% of full scale ascending)
E	SPST, 60W, 3.0 Amp., 240 VAC/VDC (Normally Open) (Switch Adjustable 15-90% of full scale ascending)
F	SPST, 60W, 3.0 Amp., 240 VAC/VDC (Normally Closed) (Switch Adjustable 15-90% of full scale ascending)
G	SPST, 60W, 3.0 Amp., 240 VAC/VDC One (1) Normally Open, One (1) Normally Closed (B, K, & S Electrical Configurations only) (Switch Adjustable 15-90% of full scale ascending)
H	SPDT, 60W, 1.0 Amp., 240 VAC/VDC (Switch Adjustable 25-90% of full scale ascending)
R	DPDT, Relay, 10A @ 30 VDC, 120/240 VAC (Switch Adjustable 15-90% of full scale ascending) (8) (10)
T	4-20 mA Transmitter in general purpose enclosure, 3rd Party Certified Division 2 Hazardous Locations with Terminal Strip / 1/2" FNPT Conduit Connection (±2% accuracy from 20-100% of full scale ascending)
Z	Special (Contact Factory)
(1) Complete Assy. 3 rd Party Certified. Rated Class I, Div II, Groups A, B, C & D; Class II Div II Groups F&G (R output excluded)	
(2) Complete Assy. 3 rd Party Certified. Rated Class I, Div I, Groups B, C & D; Class II Div I Groups E, F&G	
(3) For output options A through H, the product switching voltage and current shall not exceed power rating.	
(6) Enclosure Type 4/4X	
(7) For electrical configuration B, K & S, SPDT relay output only	
(8) Electrical configuration A & B in combination with Output Option R is not rated for Hazardous Locations	
(9) Atex / IECEx Rated CE marked Ex d IIB + H ₂ , Ex tb IIIC, IP65 (3000 PSIG SWP)	
(10) For Electrical configurations: B, K, & S, you must use SPDT relay output only.	

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 700,000 piston type units 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 or contact us toll free at **1-800-648-5778** and one of our knowledgeable sales coordinators will be happy to assist you...