





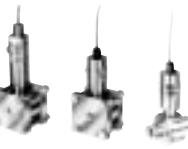















GENERAL PURPOSE

| | General Purpose | Low Pressure | High Pressure | Submersible | Submersible Low Pressure | Differential Pressure |
|-----------------------------|---|---|---|--|---|---|
| |  |  |  |  |  |  |
| MODEL # | 111, 211, 311 | 210, 310 | 112, 212, 312 | 113, 213, 313 | 313L | 115, 215, 315 |
| FEATURES | Low-Cost, FM Available, CE, FM, EP & IS Optional | 500 psi proof, FM Available, CE, FM & EP Optional | Rugged, One-Piece Sensor Design, CE, FM & IS Optional | Rugged, Leak-Proof CE Optional | Low-Pressure Ranges | Up to 10,000 Line, CE, FM, EP & IS Optional |
| RANGES | 5-15,000 psi, G, V, A, SG, C, E | 5 INWG-200 psi, G, V, C, E, A | 20K-150K psig, 1500-10K BARG | 15-500 psi, G, SG, E | 3-15 PSIG | 30-5000 PSID, 2-300 BAR |
| ACCURACY. (FSO) | 0.5% to 0.1% | 0.5% to 0.1% | 0.5% to 0.2% | 1.0% to 0.2% | 0.5% to 0.1% | 1.0% to 0.2% |
| FULL SCALE OUTPUTS | 3 mV/V, 0-5 Vdc 4-20 mA | 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA | 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA |
| STD. TERMINATIONS | 3' Pigtail Cable | NEMA-4 with 3' Pigtail Cable | 3' Pigtail Cable | 8' Vented Submersible Cable <small>(non-vented >300 psi)</small> | 8' Vented Submersible Cable | 3' Pigtail Cable |
| STD. PRESSURE PORT | 1/4" NPT (F) | 1/4" NPT (F) | 20K-60K F-250-C 75K-150K F-312-C150 | 1/4" AN (M) with PVC Bulletnose | 1/4" AN (M) with PVC Bulletnose | 1/4" NPT (F) |
| STD. WETTED MATERIAL | 316 & 15-5 Stainless Steel | 316 Stainless Steel | 20K-60K psi 15-5 SS, 61K-150K psi Vascomax 300 | 316 Stainless Steel | 316 Stainless Steel | 316 Stainless Steel |
| DIM'S. | Length 3.4" Diameter 1.5" | Length 4.8" Diameter 2.0" | Length 2.75"-3.38", Diameter 1.5" | Length 5", Diameter 0.75" | Length 5", Diameter 1.0" | Length 4.25", Diameter 2.4" |

| GENERAL PURPOSE | | | | FLUSH DIAPHRAGM | | | |
|--|---|---|---|---|---|---|---|
| Differential Low Pressure | Differential High Pressure | Cyclic Applications | Low-Cost Volume | General Purpose | Sanitary | Sanitary | Sanitary |
|  |  |  |  |  |  |  |  |
| 216, 316 | 114, 214, 314 | M-SPIKE V-SPIKE C-SPIKE | 1002, 1003 | 117, 217, 317 | 280, 380 283, 383 | 218, 318 | 181, 281, 381 |
| 2,000 psi Line, FM & EP Optional | For High-Cyclic and Rugged Applications FM & IS Optional | Small Size, High Zero Stability, CE Optional | CE-Approved, Lightweight, Zero/Span Available | Rugged, one-piece Sensor Design FM & IS Optional | CE Optional, RFI Standard, Hi-Temp (MDL 83) 3A Approved 280, 380 - FM & EP Optional | CE Optional, NEMA-4X Rating, 3A Approved | NEMA-4X Rating, No Fluid Fill 3A Approved |
| 5 INWC-200 PSID | 500-15,000 PSID | 500-15,000 PSIG | 15-10,000 psi, G, V, C | 50-10,000 psi, G, A, SG | 20 INWC-1000 psi, G, V, C | 20 INWC-1000 psi, G, V, C, A | 100 PSISG-20,000 PSISG |
| 0.5% to 0.1% | 1.0% to 0.2% | 0.2% to 0.1% | 0.5% | 1.0% to 0.2% | 0.5% to 0.1% | 0.5% to 0.1% | 0.5% |
| 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA | 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc, 4-20 mA | 0-5 Vdc, 4-20 mA | 0-5 Vdc 4-20 mA | 3 mV/V, 0-5 Vdc 4-20 mA |
| NEMA-4 with 3' Pigtail Cable | 3' Pigtail Cable | NEMA-4X with 3' Pigtail Cable | NEMA-4X with 3' Pigtail Cable, 1/2" NPT (M) | 3' Pigtail Cable | NEMA-4X with 20' non-vented cable | NEMA-4X with 8' vented cable | NEMA-4X with 20' non-vented cable |
| 1/4" NPT (F) | 1/4" NPT (F) | 1/4" NPT (F) | 1/4" NPT (M) | 3/4"-16 UNF-3A with Teflon O-ring face seal | 2" Tri-clamp fitting | 1-3/4"-20 unthreaded locking ring | Flush Diaphragm with gasket |
| 316 Stainless Steel and Viton ring | 15-5 and 316 Stainless Steel | 15-5 and 316 Stainless Steel | 15-5 and 316 Stainless Steel | 15-5 and 316 Stainless Steel | 316 L Stainless Steel | 316 Stainless Steel | 15-5 PH Stainless Steel |
| Length 6", Diameter 3.0" | Length 6", Diameter 3.0" | Length 3.75", Diameter 1.5" | Length 4.66", Diameter 1.0" | Length 3.5", Diameter 1.5" | Length 4.5" (M80), 6.0" (M83) Diameter 1.5" | Length 3.3" Diameter 1.5" | Length 3.8" Diameter 0.93" |

PETROLEUM & PROCESS **MELT PRESSURE**

| Process Control | High Pressure | Low Pressure | Low Pressure | Special Designs | Pressure with Temperature | |
|---|---|---|---|--|---|----------------|
|  |  |  |  |  |  | MODEL # |
| 1171 | 130, 230, 330 131, 231, 331 | 123, 223, 323 125, 225, 325 | 126, 226, 326 127, 227, 327 | 132, 232, 332 | 135, 235, 335 | |

| | | | | | | |
|---|---|---|---|---|---|-----------------------------|
| 5:1 Ranging Magnetic Coupling CE, FM, EP & IS Standard | Explosion-Proof, FM Available, to 750 °F FM & EP & IS Optional | Stainless Steel Construction, Low Pressure, To 750 °F | Stainless Steel Construction, Low Pressure, To 750 °F | Stainless Steel Construction, Capillary Designs | Removable Thermocouple | FEATURES |
| 5-15 psi, A, SG, 20-100,000 psi, SG, A | 500 PSIG-30,000 PSIG | 25 PSIG-1000 PSIG G, V, A | 25 PSIG-1000 PSIG G, V, A | 500 PSIG-30,000 PSIG | 500 PSIG-30,000 PSIG | RANGES |
| Greater than 0.25% | 0.25% (5000 psi and up), 0.5% (500-3500 psi) | 0.25% | 0.25% | 0.25% (3000 psi and up), 0.5% (500-3500 psi) | 0.25% (5000 psi and up), 0.5% (500-3500 psi) | ACCURACY. (FSO) |
| 4-20 mA 2-wire loop powered | 3.3 mV/V, 0-5 Vdc 4-20 mA | 3.3 mV/V, 0-5 Vdc 4-20 mA | 3.3 mV/V, 0-5 Vdc 4-20 mA | 3.3 mV/V, 0-5 Vdc 4-20 mA | 3.3 mV/V, 0-5 Vdc 4-20 mA | FULL SCALE OUTPUTS |
| 1/2" NPT (M) | 6-pin Bendix | 6-pin Bendix | 6-pin Bendix | 6-pin Bendix | 6-pin Bendix | STD. TERMINATIONS |
| 1/4" NPT (F) | 1/2"-20 UNF-2A | Flange mount 3.25" & 3.5" | 1 1/2"-16 UNF-2A | 1/2"-20 UNF-2A | 1/2"-20 UNF-2A | STD. PRESSURE PORT |
| 15-5 and 316 Stainless Steel | 15-5 Stainless Steel, chrome plate | 316 or 15-5 Stainless Steel | 316 or 15-5 Stainless Steel | 15-5 Stainless Steel, chrome plate | 15-5 Stainless Steel, chrome plate | STD. WETTED MATERIAL |
| Length 8.15", Diameter 1.5" | Length 8.6" (M30), 28" (M31) Diameter 1.5" | Length 28" Diameter 3.5" | Length: rigid (M26) 10.2", flex (M27) 25.8" | Length 28" Diameter 1.5" | Length 28" Diameter 1.5" | DIM'S. |