

Flow Meters for the Oil & Gas / Petrochem Market



Spur Gear PD Meters for Petroleum-Based Fluids (JV-KG)

- Flow ranges 0.003 to 120.0 GPM
- Accuracy up to 0.1% of reading
- Pressure rating up to 5,000 psi
- Bi-directional flow capabilities
- Aluminum, 303 and 316 SS bodies
- Easy maintenance & assembly



Spur Gear PD Meters for High Pressure Applications (JV-HS)

- Flow ranges 0.003 to 7 GPM Pressure rating up to 15,000 psi
- Accuracy up to 0.1% of reading
- ATEX approved
- Xylan coated bolts



Mass Coriolis Flow Meters (ACM)

- 316 stainless steel tubes
- Accuracy up to 0.25% of reading
- Pressure rating up to 5,000 psi
- Local or remote transmitters
- ATEX-rated explosion-proof meter-mounted transmitters
- Measures flow, density and temperature



Economic Turbine Flow Meters (TRG)

- Flow ranges 0.001 to 20 GPM
- Accuracy up to 0.5% of reading
- Pressure rating up to 5,000 psi
- Stainless steel body & tungsten carbide bearings & shafts



High Pressure Turbine Flow Meters (HM)

- Flow ranges 0.08 to 16 GPM
- Accuracy up to .2% of reading
- Pressure rating up to 15,000 psi
- Stainless steel housing & wheel, tungsten carbide bearings



High Flow Turbine Flow Meters (HM...F)

- Flow ranges 2 to 2000 GPM
- Turbine ID's up to 30"
- Accuracy up to 0.2% of reading
- Pressure rating up to 3000 psi
- Temp from -459°F up to 662°F
- Low contamination risk



Explosion-Proof Local Monitor (RT-Ex)

- Applicable for most meter types
- Accuracy up to 0.1% of reading
- Turn down ratio of over 1:10,000
- Aluminum bod 303 and 316 stainless steel body



Remote Monitors & Displays

- Rate, flow, limit or ratio monitors
- Single or dual channel
- RS-232 communication
- Two programmable Form C Relay outputs
- Assignable 4-20 mA output
- Available in NEMA housing



Pickup Technologies

- Hall sensors
- Magnetic pickups (reluctance pickups)
- Carrier frequency pickups
- Optical (battery powered) pickups
- quadrature output pickups
- Analog pickups
- Pulse multiplying pickups



Stainless Steel FlowStat™ Flow Monitor

- Flow ranges 0.05 to 150 GPM
- Accuracy $\pm 2.5\%$ of full-scale in the center third of the measuring range
- Pressure rating up to 3,500 psi for aluminum or brass, 6,000 psi for stainless steel
- Maximum operating temperature 240°F



Flow Switch / Flow Alarm

- Flow ranges 0.05 to 150 GPM
- Accuracy $\pm 2.5\%$ of full scale in the center third of the measuring range
- Pressure rating up to 3,500 psi for aluminum or brass, 6,000 psi for stainless steel
- Maximum operating temperature: media: 240°F, ambient: 180°F



Flow Transmitter

- Flow ranges 0.05 to 150 GPM
- Accuracy $\pm 2.5\%$ of full scale in the center third of the measuring range
- Pressure rating up to 3,500 psi for aluminum or brass, 6,000 psi for stainless steel
- Maximum operating temperature: media: 240°F, ambient: 180°F



Basic Variable Area Flow Meter

- Flow ranges 0.05 to 150 GPM
- Accuracy $\pm 2.5\%$ of full-scale in the center third of the measuring range
- Pressure rating up to 3,500 psi for aluminum or brass, 6,000 psi for stainless steel
- Maximum operating temperature 240°F



ClearView™ Value Flow Meter

- Flow ranges 1 to 30 GPM
- Accuracy $\pm 5\%$ of full scale
- Pressure rating up to 325 psi
- Maximum operating temperature: ClearView H2O: 300°F, ClearView+: 350°F



Hydraulic System Test Analyzer

- Flow range 0.05 - 150 GPM
- Measuring accuracy:
Flow $\pm 4\%$ of full scale,
Pressure $\pm 2.5\%$ of full scale,
Temperature $\pm 2.5\%$ of full scale
- Pressure rating up to 5,000 psi