

TURCK

Flow Monitors

Probe style Flow Monitors

- Great for water or Oil
- IP65
- LED visualization of flow rate
- Great for Stamping Press Lubrication Oil Monitoring, Weld Tip Protection, Pump Run Dry Protection, and other monitoring applications



| Part Number | Flow Detection Range, Water (cm/s) | Flow Detection Range, Oil (cm/s) | Operating Voltage | Current Consumption | Fluid Connection | Output: Flow | Probe Length (mm) | Wiring | Optional Adapters Drawing |
|-----------------------------------|------------------------------------|----------------------------------|-------------------|---------------------|------------------|---------------------------|-------------------|--------|---------------------------|
| FCS-N1/2A4P-AP8X-H1141 | 5-150 | 10-300 | 24 VDC +/-10% | 100 | 1/2" NPT | PNP N.O. | 42 | 2 | 1 |
| FCS-N1/2A4P-LIX-H1141 | 5-150 | N/A | 24 VDC +/-10% | 100 | 1/2" NPT | 4-20 mA Linear Analog | 42 | 1 | 3 |
| FCS-N1/2A4P-LIX-H1141/D037 | 5-150 | 10-300 | 24 VDC +/-10% | 100 | 1/2" NPT | 4-20 mA Non-Linear Analog | 42 | 1 | 3 |
| FCS-G1/2A4P-AP8X-H1141 | 1-150 | 3-300 | 24 VDC +/-10% | 60 | G 1/2" | PNP NO | 31 | 2 | 2 |
| FCS-N1/2A4P-AP8X-H1141/L060 | 1-150 | 3-300 | 24 VDC +/-10% | 60 | 1/2" NPT | PNP N.O. | 60 | 2 | 1 |
| FCS-N1/2A4P-AP8X-H1141/L100 | 1-150 | 3-300 | 24 VDC +/-10% | 60 | 1/2" NPT | PNP N.O. | 100 | 2 | 1 |
| FCS-N1/2A4P-AP8X-H1141/L120 | 1-150 | 3-300 | 24 VDC +/-10% | 60 | 1/2" NPT | PNP N.O. | 120 | 2 | 1 |
| FCS-N1/2A4P-ARX-B1151 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 42 | 3 | 4 |
| FCS-N1/2A4P-RRX-B1151 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.C. | 42 | 4 | 4 |
| FCS-N1/2A4P-ARX-B1151 230VAC | 1-150 | 3-300 | 230 VAC +/-15% | 30 | 1/2" NPT | Relay N.O. | 42 | 7 | 4 |
| FCS-N1/2A4P-ARX-B1151/L060/115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 60 | 3 | 4 |
| FCS-N1/2A4P-ARX-B1151/L080/115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 80 | 3 | 4 |
| FCS-N1/2A4P-ARX-B1151/L100/115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 100 | 3 | 4 |
| FCS-N1/2A4P-ARX-B1151/L120 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 120 | 3 | 4 |
| FCS-N1/2A4P-ARX-B1151/L160/115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 160 | 3 | 4 |
| FCS-N1/2A4P-ARX-B3141 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 42 | 5 | 5 |
| FCS-N1/2A4P-ARX-B3141/L060 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 60 | 5 | 5 |
| FCS-N1/2A4P-ARX-B3151 115VAC | 1-150 | 3-300 | 115 VAC +/-15% | 60 | 1/2" NPT | Relay N.O. | 42 | 6 | 5 |

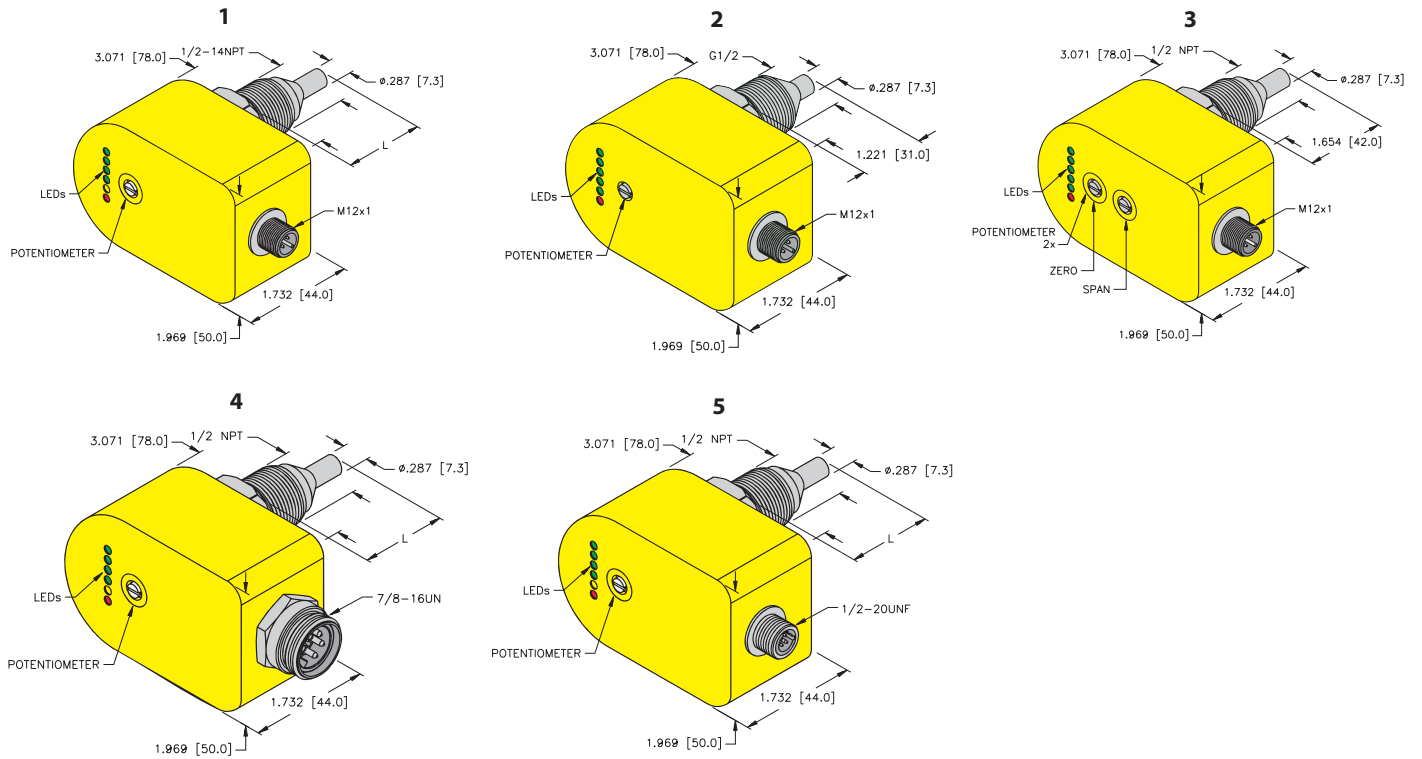
Specifications

| Electrical | |
|---------------------------------|--------------|
| Switching Current PNP outputs | 400 mA |
| Analog Load 4-20 mA outputs | 500 |
| Switching Current Relay Outputs | 2A at 60 VDC |
| Environmental | |
| Protection | IP65 |
| Pressure Rating | 1450 PSI |
| Ambient Temperature | -20 to 70 °C |
| Media Temperature | -20 to 80 °C |

| Materials | |
|--------------------------------|---------------------------------|
| Housing | PBT |
| Cable Connector | 303 Stainless Steel |
| Wetted Parts | 316 Ti Stainless Steel |
| Operational | |
| Time Delay before Availability | 2-15 seconds 8 seconds typical |
| Response time | 1-15 seconds, 2 seconds typical |
| Response time | 1-13 seconds, 2 seconds typical |
| Maximum Temperature Change | 4.2 °C/second |

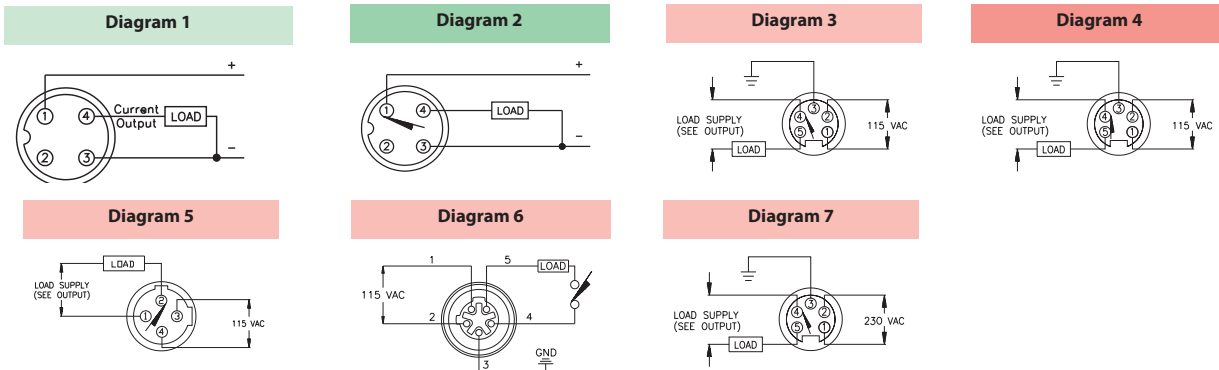
Flow Monitors

Drawings



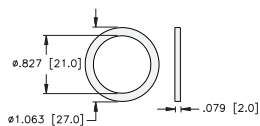
L = Probe length

Wiring Diagrams



Adapter Options

G 1/2 Gasket
FD-G1/2AFM30/34 (M6875013)



Pipe Tee (Stainless Steel)
N1/2-G1/2-SST (A6060)

