

FT-210 Series – TurboFlow[®] Low Flow Turbine Sensor

▶ Low Flow Rates .1 to 2.5 LPM and High Accuracy ±3% of Reading

- Lightweight Turbine Ensures Fast Startup
- Mounts In Any Orientation

Gems FT-210 features proven turbine technology in a small package for low flow applications. The turbine technology provides a highly repeatable sensor ideally suited for measurement of either volume dispensing and/or flow rate applications. The small turbine reacts quickly to on/off dispensing applications. Each sensor is 100% tested, ensuring years of service life.

Specifications

| Wetted Materials Body | Nylon 12 (Grilamid TR55) | |
|--------------------------|---|--|
| Turbine | Nylon 12 Composite | |
| Bearings | PTFE/15% Graphite | |
| Operating Pressure | 350 PSI (24 bar) | |
| Burst Pressure | 1400 PSI (97 bar) | |
| Flow Range | .02665 gallons/minute 0.1-2.5 liters/minute 3.4-84.5 ounces/minute | |
| Pulses | 83,200 per gallon 22,000 per liter 650 per ounce | |
| Frequency Output | 36.6-917 Hz | |
| Operating Temperature | -4°F to 212°F (-20°C to 100°C) | |
| Viscosity | 32 to 70 SSU (.8 to 16 Centistokes) | |
| Filter | <50 Microns | |
| Input Power | 5 to 24 VDC | |
| Output (Hz) | NPN Sinking Open Collector @ 20mA Maximum Leakage Current 10µA (3K-30K Pull up resistor required) | |
| Accuracy | ±3% of Reading | |
| Repeatability | 0.5% of Full Scale | |
| Electrical Connection | 9.4mm Spacing 3-pole DIN Connector (1" high) | |
| Inlet/Outlet Ports | 1/4" NPT (1/4" G Male also available) | |

How To Order

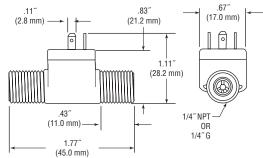
Specify a Part Number for the Port Connection AND a Part Number for the DIN Electrical Connection. Two Part Numbers are required for a complete part assembly.

| Part Number 1 Port Connection (Thread Style) | | Part Number 2 DIN Connector Style | |
|---|-------------|--|-------------|
| Description | Part Number | Description | Part Number |
| 1/4″ NPT | 212465 | 1 meter DIN Cable Assembly with 10K pull-up resistor | 218572 🖌 |
| 1/4‴ G | 212460 | Mating DIN Connector | 212404 🖌 |

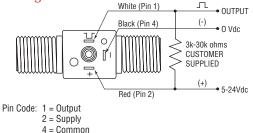
🗲 – Stock Items.



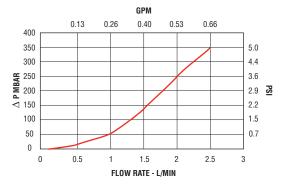
Dimensions



Wiring



Pressure Drop—Typical



See Flow Sensor Display and Power Accessories in the Master Catalog. Rate Meters and Totalizers complete your flow monitoring system.