**Paddlewheel Flow Sensor**

Non-Magnetic Sensing, Insertion Style for 1-1/2 to 40˝ Pipe, Pulse or 4 to 20 mA

**SERIES PFT**

**SPECIFICATIONS**

- **Service:** Water-based fluids.
- **Range:** 1.2 to 25 ft/s (0.37 to 7.62 m/s).
- **Wetted Materials:** Body and fitting: Brass or 316 SS; fitting O-ring: FKM standard, silicone or Buna-N optional; impeller: 316 SS; shaft: Tungsten carbide standard or 316 SS optional; bearing: PTFE standard, carbon graphite optional.
- **Linearity:** ±1.0% of full range.
- **Repeatability:** ±0.5% of full range.
- **Temperature Limits:** -40 to 212°F (-40 to 100°C).
- **Pressure Limits:** 400 psig (27.6 bar) @ 100°F (37.8°C), 325 psig (22.4 bar) @ 212°F (100°C).
- **Process Connection:** 1-1/2˝ NPT male standard, 2˝ NPT male optional.
- **Output:**
  - **Pulse:** NPN open collector with square wave output, rated 60 V @ 50 mA max. Frequency: 3.2 to 200 Hz. Pulse Width: 2.5 msec ±25%.
  - **4 to 20 mA:** 4 mA is 0 ft/s, 20 mA is 25 ft/s.
- **Power Requirement:** 10 to 35 VDC.
- **Power Consumption:** 40 mA (max.).
- **Electrical Connection:** 22 AWG shielded UL type PTLC rated 105°C, 20’ (6.1 m) long with cable gland. Can be extended up to 2000’ (609 m) with similar cable. Optional UL listed burial rated cable.
- **Enclosure Rating:** NEMA 6P (IP67).
- **Housing Materials:** Brass or 316 SS.
- **Weight:** 3 lb.
- **Agency Approval:** CE.

**FEATURES**

- Bearings and shaft offer excellent wear protection even in applications with particulate for long life.
- Weatherproof and submersible rated for irrigation applications.

**APPLICATIONS**

- Irrigation, ground water remediation, cooling systems, pump protection, leak detection, filtration systems.

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**Model | Body Material | Output | Description | Price**

<table>
<thead>
<tr>
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<td>Brass</td>
<td>4 to 20 mA</td>
<td>1-1/2˝ NPT connection, FKM seals, tungsten-carbide shaft, PTFE bearing, 20’ of cable</td>
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Consult factory for longer cable lengths, burial rated cable, 2˝ NPT connection, or other wetted materials.