Series PSX2 Portable Ultrasonic Flowmeter Detectors are paired with Series PUX and PUX2 converters in order to utilize the transit-time difference for measuring flow rates in pipes from the outside. It is a compact and lightweight instrument incorporating the latest electronics and digital signal processing technologies, realizing high performance and easy operation. Series PSX2 Detectors are non-intrusive clamp-on sensors and are easy to install, require simple maintenance, and are free from pressure-loss, choking, corrosion, and leaking.

**SPECIFICATIONS**

**Service:** Homogenous liquids (water, sea water, oil, and fluid of unknown velocity) capable of ultrasonic wave propagation; Turbidity: 10000 deg. (mg/L) or less; State of flow: Axis-symmetric flow in pipe filled with fluid.

**Range:** 0 to ±105 fps (0 to +32 m/s).

**Accuracy:** ±1.0% of rate, except PSX2-B: ±1.5% of rate.

**Response Time:** 1 s or less.

**Temperature Limits:** Ambient 140°F (60°C); Fluid Temperature: PSX2-A and PSX2-B: -40 to 176°F (-40 to 80°C) PSX2-D: -40 to 212°F (-40 to 100°C) PSX2-HT: -40 to 392°F (-40 to 200°C).

**Enclosure Rating:** Drip-proof, IP52 (NEMA 5); Large sensor, immersion proof, IP67 (NEMA 6).

**Materials:** PSX2-E, PSX2-B, and PSX2-D: Plastic case, and aluminum alloy and plastic mounting bracket; PSX2-HT: 304SS case, and aluminum alloy and 304SS mounting bracket.

**Electrical Connection:** Terminal screws.

**Mounting:** PSX2-E and PSX2-B: Plastic cloth belt; PSX2-D: SS wire; PSX2-HT: SS belt.

**Weight:** PSX2-E: 1.32 lb (0.6 kg); PSX2-B: 1.76 lb (0.8 kg); PSX2-D: 3.1 lb (1.4 kg); PSX2-HT: 3.75 lb (1.7 kg).

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-186</td>
<td>Silicone-based grease acoustic couplant, 3 oz tube</td>
<td>$13.00</td>
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<tr>
<td>A-187</td>
<td>Silicone RTV acoustic couplant, 4 oz tube</td>
<td>6.50</td>
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<tr>
<td>A-188</td>
<td>Silicone-free acoustic couplant, 4 oz tube</td>
<td>63.50</td>
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</table>

**Flow Pipe Sizes**

- PSX2-A: Small Sensor (2 MHz), General Use Structure: 1.97 to 15.75 in (50 to 400 mm) 9.01 to 392°F (-40 to 200°C) $1251.00
- PSX2-B: Small Diameter Sensor, General Use Structure: 0.51 to 3.94 in (13 to 100 mm) 9.01 to 392°F (-40 to 200°C) $1377.00
- PSX2-D: Large Sensor, General Use Structure, 5 m Coaxial Cable: 7.87 to 236.22 in (200 to 6000 mm) $4936.00
- PSX2-HT: High-Temperature Sensor, General Use Structure, 5 m Coaxial Cable: 1.97 to 15.75 in (50 to 400 mm) $390.00

Items are subject to Schedule B discounts.