**Series HFT**

**In-Line Flow Transmitters**

Local Flow Indication, Unrestricted Mounting, 4-20 mA, 0-5 V, and 1-5 V Output

The Series HFT combines a direct reading HP flowmeter with electronics to provide a proportional analog output of 4 to 20 mA, 0 to 5 V, and 1 to 5 VDC. Use the output to drive data acquisition devices, meters, or analog input cards. The entire assembly is housed in a rugged cast aluminum NEMA 4X (IP66) enclosure. The unit can be installed in outdoor applications or harsh environments where liquid tight seals are required. The flow transmitter does not require input or output straight plumbing, and can be mounted in any orientation.

**Aluminum body for air or other non-corrosive gases: 600 psig (41 bar)**

Wetted Parts: Aluminum, PTFE coated Alnico, 304 SS and Buna-N

<table>
<thead>
<tr>
<th>Model</th>
<th>Connection Size</th>
<th>Range, Air SCFM</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT-1112</td>
<td>1/4&quot; female NPT</td>
<td>1.5-12</td>
<td>$720.00</td>
</tr>
<tr>
<td>HFT-1122</td>
<td>3/8&quot; female NPT</td>
<td>4-25</td>
<td>$720.00</td>
</tr>
</tbody>
</table>

Brass body for water based fluids (non-steam): 3500 psig (240 bar)

Wetted Parts: Brass, PTFE coated Alnico, 304 SS and Buna-N

<table>
<thead>
<tr>
<th>Model</th>
<th>Connection Size</th>
<th>Range, Water GPM (LPM)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT-2205</td>
<td>1/2&quot; female NPT</td>
<td>0.5-5.0 (1-19)</td>
<td>$760.00</td>
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<tr>
<td>HFT-2315</td>
<td>3/4&quot; female NPT</td>
<td>1.15-3.8 (3.8-55)</td>
<td>$820.00</td>
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<tr>
<td>HFT-2320</td>
<td>3/4&quot; female NPT</td>
<td>2.20-7.75 (7.5-20)</td>
<td>$820.00</td>
</tr>
<tr>
<td>HFT-2440</td>
<td>1&quot; female NPT</td>
<td>4.40-15.15 (15-50)</td>
<td>$820.00</td>
</tr>
<tr>
<td>HFT-2550</td>
<td>1-1/2&quot; female NPT</td>
<td>5.50-19.189</td>
<td>$1589.00</td>
</tr>
</tbody>
</table>

**Series DFT**

**Inline Differential Flow Transmitter**

Low Cost, Compact and Rugged Design

Series DFT Flow Transmitters use a segmented wedge differential producer to measure flow rates as related to pressure to monitor process fluids. The segmented wedge provides a simple and reliable restriction for sensing flow as related to pressure differential. The sensor can be mounted in any position and allows the designer to install it in any orientation: horizontal, vertical or inverted. The sensor is offered with three flow measuring ranges: 0.5 to 5, 1 to 10, and 1 to 10 GPM. The sensor offers low cost precision with a measuring accuracy of ±2% of full-scale range and repeatability of 20.0%.

**SPECIFICATIONS**

- **Service:** Compatible liquids.
- **Wetted Materials:** End ports: PVC; Wedge element: PVC; Pressure sensor: polyethermide.
- **Flow Measuring Ranges:** 0.5 to 5, 1 to 10, and 1 to 10 GPM.
- **Accuracy:** ±2% of full-scale.
- **Repeatability:** ±0.5% of full-scale.
- **Response Time:** Indication of no less than 90 sec after step change within ±0.05%.
- **Power Requirements:** 12 to 35 VDC.
- **Output Signal:** 4 to 20 mA (optional 0 to 5 VDC or 1 to 5 VDC). Use the output to drive data acquisition devices, meters, or analog input cards. The entire assembly is housed in a rugged cast aluminum NEMA 4X (IP66) enclosure. The unit can be installed in outdoor applications or harsh environments where liquid tight seals are required. The flow transmitter does not require input or output straight plumbing, and can be mounted in any orientation.

**SPECIFICATIONS**

- **Service:** Compatible gases or liquids.
- **Wetted Materials:** Body: Aluminum, brass or 304 SS; Seals: Buna-N or Fluoroelastomer; Magnet: PTFE coated Alnico; Other internal parts: 304 SS.
- **Viscosity:** 500 SSU.
- **Accuracy:** ±4% FS over entire range; ±2.5% over center third of the measuring range.
- **Repeatability:** ±1% of full-scale.

**304 SS body for high-pressure fluids: 6000 psig (413 bar)**

Wetted Parts: 304 SS, Fluoroelastomer and PTFE

<table>
<thead>
<tr>
<th>Model</th>
<th>Connection Size</th>
<th>Range, Water GPM (LPM)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT-3202</td>
<td>1/2&quot; female NPT</td>
<td>0.2-2.0 (0.75-7.5)</td>
<td>$859.00</td>
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<td>HFT-3210</td>
<td>1/2&quot; female NPT</td>
<td>1.0-10 (3.8-38)</td>
<td>$832.00</td>
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</tbody>
</table>

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-FT1. $210.00

① Items are net priced and are not subject to any discount.

② Maximum Current Consumption: 25 mA.

Minimum Load Resistance: 1000 Ω.

Maximum Transmission Distance: 200 ft.

Resolution: Infinite.

Temperature Limits: 170°F (76°C).

Pressure Limits: See chart.

Power Requirements: 12 to 35 VDC.

Enclosure Rating: NEMA 4X (IP66).

Maximum Particulate Size: 200 microns.

Weight: 1 lb (0.45 kg).

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FOR 1-1/2˝ [38.1] [38.1] [56.36]

FOR 1-1/2˝ [38.1] [38.1] [56.36]