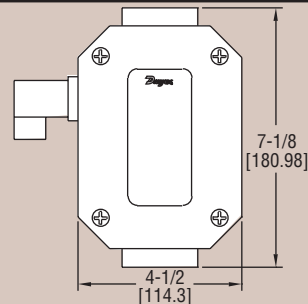




Series  
HFT

# 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 HF flowmeter with electronics to provide a proportional analog output of 4 to 20 mA, 0 to 5, 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

| Model    | Connection Size | Range, Air SCFM |
|----------|-----------------|-----------------|
| HFT-1112 | 1/4" female NPT | 1.5-12          |
| HFT-1123 | 1/4" female NPT | 4-23            |

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

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

| Model    | Connection Size   | Range, Water GPM (LPM) |
|----------|-------------------|------------------------|
| HFT-2205 | 1/2" female NPT   | 0.5-5.0 (1-19)         |
| HFT-2315 | 3/4" female NPT   | 1-15 (3.8-55)          |
| HFT-2320 | 3/4" female NPT   | 2-20 (7.5-75)          |
| HFT-2440 | 1" female NPT     | 4-40 (15-151)          |
| HFT-2550 | 1-1/2" female NPT | 5-50 (19-189)          |

## 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:**  $\pm 4\%$  FS over entire range;  $\pm 2.5\%$  over center third of the measuring range.

**Repeatability:**  $\pm 1\%$  of full-scale.

**Response Time:** < 100 msec.

**Output Signal:** 4 to 20 mA; 0 to 5 V; 1 to 5 V.

**Temperature Limits:** 170°F (76°C).

**Pressure Limits:** See chart.

**Power Requirements:** 12 to 35 VDC.

**Enclosure Rating:** NEMA 4X (IP66).

**Shipping Weight:** 1/4 to 1/2" female NPT models: 3 lb (1.4 kg); 3/4 to 1" female NPT models: 4.5 lb (2.0 kg); 1-1/2" female NPT models: 12 lb (5.4 kg).

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

Wetted Parts: 304 SS, Fluoroelastomer and PTFE

| Model    | Connection Size | Range, Water GPM (LPM) |
|----------|-----------------|------------------------|
| HFT-3202 | 1/2" female NPT | 0.2-2.0 (0.75-7.5)     |
| HFT-3210 | 1/2" female NPT | 1-10 (3.8-38)          |

## OPTION

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