

# 1 INS-FM17H, INS-FM19H Coolant Flow Meters v1.0

Koolance flow meter models INS-FM17H and INS-FM19H use a hall effect sensor to detect impeller rotation pulses.

A specialized circuit is required to convert the signal pulses into liquid flow rate values. Please see the conversion rates provided in the graph to the right. The multiplier is different based on whether 6mm (1/4in) or 10-13mm (3/8-1/2in) ID tubing is connected to the flow meter.

## Specifications

Supply Voltage: 4.5-24VDC

Supply Current: 10mA max.

Wire Colors: Red= VCC+, Black= Ground, Blue= Signal Out

Wire Connector: JST XHP-3

Flow Rate Range: 1.0 - 20 LPM (0.26 - 5.3 GPM)

Fluid Temperature Range: 0 - 70 °C (32 - 158 °F)

**Important Notes:** Be sure to install the flow meter in the correct liquid direction. This is indicated by the arrow on the flow meter's body (see photo). Residual air pockets in the flow meter can prevent an accurate reading.

