T-CDI-5200-10S Sensor

Compressed Air Flow Meter - 1-80 SCFM Sensor

The T-CDI-5200-10S is a flow meter for compressed air systems. It measures flow by maintaining one probe warmer than the other. It calculates the mass velocity from the amount of heat required, and then calculates the flow on the basis of pipe area. This model fits 1" steel pipes.

Requires analog port selection during U30 system configuration and use of a S-FS-CVIA when using the H22-001 data logger. When using a U12 data logger, this sensor requires a 4-20mA input cable (CABLE-4-20mA).

View CDI Meters' product page for the CDI 5200

Supported Measurements:

Compressed Air Flow

Key Advantages:

- This adds the ability for users to be able to measure compressed air flow (SCFM).
- Easy to install
- Digital display

T-CDI-5200-10S Sensor Specifications

Measurement range 1 - 80 SCFM
Accuracy: 5% of reading plus 1% of full scale @ air temperatures 40 - 120F
Medium: Compressed air, nitrogen
Operating pressure: 30 to 170 psig for best accuracy. 200 psig max on Sch 40 steel
Input power: 250 mA @ 18 - 24 VDC
Output resistance: 400 max
Response time: 1 sec to 63% of final value
Output: selectable 4 - 20mA or pulse
Display: 4-digit LED
Ring material: Aluminum
Size / Weight: 3.2x2.2x1.6 in / approx. 1.2 lb

Note: Recommended: Drill Guide that facilitates accurately locating the holes that are needed to mount the flowmeter.