HOBO® T-CDI-5x00-x0S Sensor

Compressed Air Flow Meter Sensor

Effectively monitor compressed air systems with the CDI meter. This flow meter includes two probes, one warmer than the other. This arrangement calculates mass velocity based on heat requirements. Additionally, pipe area data is used to determine flow amounts.

Requirements for use with specific data loggers:

> HOBO MX1100 series: a 4-20mA input cable (SD-MA-420) and external power provided by an AC adapter (AC-SENS-1) HOBO U12, UX120-006M, or ZW series: a 4-20mA input cable (CABLE-4-20mA) and external power provided by an AC adapter (AC-SENS-1) HOBO RX3000: an analog input module (RXMOD-A1) HOBO U30: an analog input module (VIA) HOBO H22: an analog input module (S-FS-CVIA)

Key Advantages:

- Available in 2 ranges: 1 - 80 SCFM or 40-600 SCFM
- Fits on 1" or 2" steel pipes
- Easy to install
- Digital Display

HOBO T-CDI-5x00-x0S Sensor Specifications

	T-CDI-5200-10S	T-CDI-5400-20S
Measurement range	1 - 80 SCFM	40-600 SCFM (calibrated), 350 - 600 (uncalibrated)
Accuracy**	5% of reading plus 1% of full scale @ air temperatures 40 - 120F	5% of reading plus 1% of full scale @ air temperatures 40 - 120F; (5400 model extended range) 7% of reading from rated fule scale to 150% of calibrated range, @ air temperatures 40 - 120F
Medium**	Compressed air, nitrogen	Compressed air, nitrogen
Operating pressure**	30 to 170 psig for best accuracy. 200 psig max on Sch 40 steel	200 psig max on Sch 40 steel
Input power**	250 mA @ 18 - 24 VDC	250 mA @ 18 - 24 VDC
Output resistance**	400 max	400 max
Response time**	1 sec to 63% of final value	1 sec to 63% of final value
Output**	4 - 20mA or pulse	4 - 20mA or pulse
Display**	4-digit LED	4-digit LED
Ring material**	Aluminum	Aluminum
Size / Weight**	3.2x2.2x1.6 in / approx. 1.2 lb	3.2x2.2x1.6 in / approx. 1.4 lb