S-RTA-M006

RX Runtime Smart Sensor

The RX Runtime Smart Sensor measures the percent ON of any AC-powered device with an AC current switch, and time ON (closed) of contact closures - ideal for equipment runtime monitoring, boiler efficiency monitoring, pump monitoring, and engine monitoring. This sensor is compatible with HOBO RX Stations.

Key Advantages:

- Plug-and-play smart sensor
- Works with all HOBO RX stations
- Automatically communicates configuration data to the station
- 1-second runtime resolution
- 6m cable length

HOBO S-RTA-M006 Sensor Specifications

Input Sampling Period	1 second
External Contact Input	Solid state switch closure, logic driven voltage output, or open/closed mechanical switch
Preferred Switch State	Normally open
Solid State Switch Closure	Input Low: < 10 K ; Input High: > 300 K
Logic Signal Level	Logic 0: < 0.4 V DC, Logic 1: > 2.5 V DC
Internal Weak Pull-Up	100 K
Input Range	0 to 3.6 V
User Connection	24 AWG wires, 2 leads: white(+), black(-)
Operating Temperature Range	-40° to 75°C (-40° to 167°F)
Time Accuracy	±4 seconds due to potential clock differences between the sensor and the station. Note that longer logging intervals can result in the maximum error.
Overall Cable Length	6.5 m (21.3 ft.)
Housing Materials	Weatherproof polyamide housing for smart sensor adapter
Length of Smart Sensor Cable*	50 cm (1.6 ft.)
Weight	200 g (7.06 oz)
Number of Data Channels	2
Bits per Sample	12 bits for channel logging runtime as percent 16 bits for channel logging runtime in seconds
Measurement Averaging Option	No
Compliance Marks	CE UKCA

*A single HOBO RX station can accommodate 15 data channels and up to 100 m (328 ft) of smart sensor cable (the digital communications portion of the sensor cables).

Contact Us

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