ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

HTI-90

HTI-Series Rel Humidity + Temperature Indicator



Overview

The ASHE HTI-90 is a micro-controller based instrument designed for the measurement and indication of dual point Temperature and Relative Humidity and finds typical application in a standard panel or cubicle.

The HTI-90 uses a precision RH+T combination Sensor on an extended cable and is factory calibrated for accurate display of ambient temperature and relative humidity. The Cable may be positioned at any point in the panel where these measurements need to be monitored. The instrument also has a second temperature sensor on the front of the enclosure which provides the second temperature reading in the vicinity of the instrument.

The HTI-90 operates on 230 VAC mains power using a power adaptor which is supplied with the instrument. The instrument is offered in a compact polycarbonate enclosure which can be mounted on a standard DIN rail within the panel. The bright OLED display provides clear indications of the relative Humidity and two Temperature values.

The HTI-90 is therefore an ideal instrument for the local measurement of Relative Humidity and Temperature. Other features include it's inherent accuracy and immunity to shocks, dust and ambient temperature variations. It is available in a compact execution and can be easily wall-mounted or DIN rail mounted at a strategic location. Further, the instrument is manufactured using selected high-grade components which guarantee it's functionality and long operational life.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

Model	ASHE HTI-90.
Type	Microcontroller based Relative Humidity and Dual-point Temperature Monitor.
Input Sensor	From dual precision Temperature sensors and Rel. Humidity Sensor.
Displays	Dual-line Alphanumeric Display.
Indication	Bright 8-Character x 2-Line OLED Display.
Humidity Range	0 to 98% RH (non condensing).
Temperature Range	-50 to +150°C.
RH accuracy	±1.5%RH, typical (10 to 90% RH at 25°C).
Temp. sensor accuracy	±0.2°C, typical (-10 to+80°C).
Resolution	14-bit 0.4% RH, 0.2°C typical.
RH response time	6 seconds, typical.
Power Supply	230 VAC, 50 Hz with DC adaptor.
Dimensions	68 x 75 x 50 mm. (W x H x D).
Execution	DIN Rail mounting.
Enclosure	Industrial grade polycarbonate.
Weight	Approx 120 gm.

Features

- Microcontroller based design
- Precision RH and Temperature Sensors
- Dual Temperature Sensor
- High Accuracy and Resolution
- Extendable Sensor Cable
- Bright OLED alphanumeric Display for both parameters
- Low power consumption and heat dissipation.
- AC power supply operation with power adaptor
- Rugged and compact polycarbonate enclosure
- High Noise immunity
- Factory calibrated precision Sensors
- Easy DIN Rail or wall-mounting execution
- Two-year Performance Warranty
- Proven track record of successful site installations

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