

AZ 8857 IR Hygrometer



The AZ 8857 IR Hygrometer has been designed around the state-of-the-art micro-processor that makes it instrumental on the worksite. The display is easy to interpret and allows for measurements to be taken at a glance.

The sensor of the AZ 8857 IR Hygrometer is protected by a unique gear-damper device; while this sensor is retracted, the unit will not take readings. This prolongs the life of the sensor and ensures accurate readings.

Features

- Combines the functions of Infrared Thermometer and Psychrometer into a compact unit.
- Lightweight body is especially suited for HVAC Applications
- Calculate Wet Bulb, Dew point, and T1-T2 (Surface to Dew Point) in seconds
- Rotronic Sensor measures Relative Humidity from 0-100%
- Measure temperatures from -40°C to 500°C with the Infrared Laser
- Infrared response time is 500 ms
- IR emissivity value adjustable 0.3 – 1.0
- Built in targeting laser beam (670nm)
- Bright back-lit LCD display
- Unique sensor protection mechanism

Applications

The **AZ 8857 IR Hygrometer** measures the air temperature, surface temperature, Relative Humidity, wet bulb temperature, dew point temperature and temperature differential measurements. The unit has a back-lit display allowing the user to operate the instrument in the dark. The **AZ 8857 IR Hygrometer** is ideally suited for Climatic condition testing in the warehouse, office space, laboratory, basement, wine cellar or other environments where climate control is necessary.

Technical Specification

Model	AZ 8857 IR Hygrometer
IR Temperature Range	-40-500°C
IR Temperature Resolution	0.1°C, 0.1°F
IR Temperature Accuracy (which is greater)	±2% or 2°C at -20 - 200°C, others is ±3% or 3°C
Temperature Range	-20 - 50°C
Temperature Resolution	0.1°C, 0.1°F
Temperature Accuracy	±0.6°C
Humidity Range	0.1% - 99.9% RH
Humidity Resolution	0.1% RH
Humidity Accuracy	±3%RH (at 25°C. 10-90%RH, others ±5%RH)

Technical Specification Continued

Dew Point Temperature Range	-68 - 49.9°C
Wet Bulb Temperature Range	-21.6 - 49.9°C
IR Repeatability	±1°C
Emissivity	0.3 - 1.0 adjustable
D:S Ratio	08:01
LCD Size	44 (L) x 26 (W) mm
Operating Temperature	0 - 50°C
Operating RH%	Humidity <90%
Storage Temperature	-20 - 50°C
Storage RH%	Humidity <90%
Dimensions	70 (L) x 50 (W) x 175 (T) mm
Weight	±140g
Battery	4 x AAA Batteries

Packing List

AZ 8857 IR Hygrometer

Instruction Manual
4 x AAA Batteries
Wrist Strap
Carry Pouch
Optional Accessories: USB Cable & Software Kit