

HC2-S3-L

Temperature & Relative Humidity Probe



The HC2-S3-L, manufactured by Rotronic Instrument Corp., measures air temperature with a Pt100 IEC751 1/3 class B and measures relative humidity (RH) based on the HygroClip2 technology. Each HygroClip2 probe is 100% interchangeable and can be swapped in seconds without any loss of accuracy, eliminating the downtime typically required for the recalibration process.

Sensor Mounts

When exposed to sunlight, the HC2-S3-L must be housed in a 41003-X or 43502 radiation shield. To attach the 41003-X to a CM202, CM204, or CM206 crossarm, place the 41003-X's u-bolt in the bottom holes. To attach the radiation shield directly to a tripod mast, tower mast, or tower leg, place the u-bolt in the side holes.

Ordering Information

HC2-S3-L	Temperature and RH Probe with 6 ft. lead length
41003-X	10-Plate Gill Radiation Shield
43502	Motorized aspirated radiation shield
R41046DS-15	Adaptor



Specifications

Relative Humidity

Operating range:	0 to 100% RH
Accuracy @23°C:	±0.8% RH
Output:	0 - 1 VDC
Typical Long-Term Stability:	Better than ±1% RH per year

Temperature

Measurement Range:	-40° to +60°C or -50° to +50°C: ±0.1°C (@0°C)
Temperature Accuracy:	-50° to +60°C: ±0.4°C (worst case)

Output: 0 - 1 VDC

General

Supply Voltage:	5 to 24 VDC (typically powered by datalogger's 12 VDC supply)
Current Consumption:	< 4 mA
Diameter:	0.59" (15.00 mm)
Length:	6.6" (168 mm)
Housing Material:	Polycarbonate

