

AIR TEMPERATURE AND RELATIVE HUMIDITY SENSOR



Air temperature and relative humidity probes typically consist of two separate sensors packaged in the same housing. Often relative humidity is measured with a capacitive RH sensor, while air temperature is measured by a PRT. The YDH-1 AWS Air Temperature and Relative Humidity Probes are recommended in humid areas or applications in which accurate measurements of RH (especially above the 90% RH level) are important. Solar radiation shield are required for the sensors if they were to be exposed to sunlight.

Air temperature	
Range	-5° C to +60° C
Accuracy	± 0.1°C or better
Resolution	0.1°C
Sensor type	Resistance Type
Response time	60 seconds
Connecting cable	<ul style="list-style-type: none"> • cable length: as required
Output	<ul style="list-style-type: none"> • DC analogue, RS 232
Accessories	<ul style="list-style-type: none"> • all accessories (fixing units, etc.) as required
Tools	<ul style="list-style-type: none"> • complete tool kit for installation and routine maintenance giving full detail(number of pieces and type)
Relative Humidity	
Range	0% to 100% RH
Accuracy	± 3% or better
Resolution	0.50%
Sensor type	Capacitive / solid state
Response time	60 seconds
Connecting cable	<ul style="list-style-type: none"> • Cable length: as required
Accessories	<ul style="list-style-type: none"> • all accessories (fixing units, etc.) as required
Tools	<ul style="list-style-type: none"> • complete tool kit for installation and routine maintenance giving full detail(number of pieces and type)