

**MODEL: MCS-RHT-1.0**

APPLICATIONS

- Cold storage applications
- Cold room /Ripening Chambers
- Mushroom store
- HVAC
- Scientific laboratories
- Fruit storage open areas
- Green houses
- Control environment chambers
- Q.C. Laboratories & Research Chambers
- Chicken Breeding & Horticulture
- Tea & Tobacco Industries
- Paper & Pulp Mills

TEMP + RH TRANSMITTER

A **Temp. + RH Transmitter**, based on a unique capacitive cell is designed for high volume, cost sensitive applications such as office automation, automotive cabin air control, home appliances, Cold Room, Cold Storages, pharma, health care and industrial process control systems. They are also useful in all applications where humidity compensation is needed.

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Basically there are three types of methods for humidity measurement: Capacitive, Resistive and Thermal. In Capacitive type, capacitive humidity sensor measures relative humidity by placing a thin strip of metal oxide between two electrodes. The metal oxide's electrical capacity changes with the atmosphere's relative humidity. Weather, commercial and industries are the major application areas.

FEATURES

- Full interchangeability with no calibration required in standard conditions High precision and high sensitivity
- Wide range of linearity
- Good anti-interference ability
- Excellent stability and reliability
- High tensile strength
- Robust construction
- Overload protected
- Continuous Monitoring
- Low zero point drift
- Easy maintenance /Calibration

TECHNICAL SPECIFICATIONS

Parameters	Description
Make	MULTITECH
Model	MCS-RHT-1.0
Detection Range (RH)	0%-100% RH.
Detection Range (Temp)	-20 to 80 C Temp.
Measurement Accuracy (Temp)	+/- 0.5 C FSA.
Measurement Accuracy (RH)	+/- 3% RH
Response Time (T90)	<10s (25 °C, in Slow air)
Power Supply	15-24 Vdc(reverse polarity protected)
Output	4-20 mA
Stability versus time	1% per year
Anticipated using life	=/> 5 years
Operating Temperature	0 to 60 °C Below 95% RH (no condensation)
Warranty	12 Months Manufacturer Warranty



MULTITECH CONTROL SYSTEMS

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