



R.S. PROCESS SYSTEMS PVT. LTD.

Specialist's in Instrumentation

HUMITHERM420MC/01MC

Your HUMITHERM Sensor is designed according to ISO 9001 & IS MEETING

EMC Requirements. The Probe works perfectly with excellent long term stability for many years when you follow the operational Guide lines.



The electronics of the sensor is very sensitive to electrostatic discharge and wrong. Supply polarity. Make Sure to be properly do the connection while handling the sensor. Improper Handling and too high supply voltage as well as wrong connections (Supply Voltage on Signal wires) may damage the probe. This can be traced and will void warranty



Technical Specifications

Measurement Principle	: -Capacitive Humidity Sensor
Humidity Measurement Range	: - 0 100 %
Temperature Measurement Range	: - -25... +60 deg C
Temperature Sensor	: - PT – 100 ,3Wire
Storage Temperature	: - -40 to 100 Deg C/at max.95% RH Non Condensing
Accuracy	: - < 3 % RH (1585%RH @23 Deg C), ± 0.25 Deg C
Supply Voltage & Load	: - 810 Volt DC (Recommended 8....Max 12 Volts, max.Load resistor 300 Ω)
Outputs (Factory Default)	: - 4.....20mA (Two Wire operation)
Wire Colors	: Output
Green	: -Humidity Out (4-20Ma)
Blue	: -Power +Vdc
Red	: -Temperature out (+PT 100)
White	: - Temperature out (-PT 100)
Black	: - Temperature out (-PT 100)