HUMITHERM942 series

- Humitherm:-942XTHX - Temperature /Humidity Transmitter
- Fast, Stable & accurate
- IP-65- Water tight enclosure
- Excellent long term stability
- 100 % dip able in water
- Typical Areas of Application
- Climatic Rooms/Chambers
- HVAC Installations
- Green Houses
- Paper Industries
- Incubators, Oven
- Textile Industries
- Storage Area
- Food Processing Industries
- Fruit/vegetable storage

THX-942 series is temperature compensated humidity transmitter/sensor has been designed to meet the demand of energy-care, environmental protection, and air quality control.

942 Series uses a capacitive polymer to sense Relative Humidity & Asic to accurately sense Temperature & Humidity. This is one of the most stable sensor available and no recalibration required Even condensation on the sensor will not harm it. The Output signal is 4-20Ma requiring a current loop supply of 12-30 Vdc.It is microcontroller based high performance 2 wire transmitters. The outstanding accuracy over the entire range is based on very precise calibration methods and on the latest microcontroller technology. Our well-proven polymer capacitive humidity sensor ensures excellent long-term stability.

Technical Specifications

Measuring Range	: 0 To 100 % RH
	: -40 TO 125 Deg C
Accuracy @ 25 Deg C	: +/- 1.8 % RH, +/- 0.2 Deg C
Electronics Operating Temp	: 0 to 50 Deg C
Response	: <4 Sec
Long Term Stability	: Better Than 1 % RH per Year
Output	: 4-20mA, other outputs on request (0-1/5/10Vdc)
Load Resistance	: 500 ohms
Supply Voltage	: 12 to 30 Vdc
Housing	: ABS Plastic water tight enclosure
Protection	: IP-65
Weight	: Approx 200gms

ORDERING INFORMATION

- Humitherm:-942XHTX Temperature /Humidity Transmitter
- Humitherm:-420Mc Temperature /Humidity Sensor with 4-20mA &pt-100rtd
- Humitherm:-420Mc1 Temperature /Humidity Sensor with 4-20mA for both
- Humitherm:-01Mc Temperature /Humidity Sensor with 0-1VDC &pt-100rtd
- Humitherm:-01Mc1 Temperature /Humidity Sensor with 0-1VDC for both
  X= Mounting Option
  Where W=Wall mount
  D= Duct Mount
  S= Space mount