

# Clean Room Instrumentation for EMS

*When Close Monitoring Matters...*

**...Trust GLOBAL**

**CLEAN ROOM MONITORS**

**DIFFERENTIAL PRESSURE INDICATORS**

**Innovative Sensor Technology IST AG: RH+TEMPERATURE SENSORS**

**GLOBAL ELECTRONICS, HYDERABAD, INDIA**

*AN ISO 9001:2008 COMPANY*



Since 1977

## Innovative Sensor Technology IST AG, Switzerland: RH & TEMPERATURE SENSOR Model: RHT-A

IST AG Switzerland's new RHT-A Sensor incorporates Swiss made, precisely calibrated ASIC based Capacitive Polymer Relative Humidity Sensor designed for high accuracy measurement over a wide range of RH & Temperature. It has a built-in Signal Processing circuit which delivers stable output with fast & dynamic response. Its mechanical design with a protection filter provides a robust sensor which is ideal for use in wide range of demanding applications.

### FEATURES

- With IST AG, Switzerland Calibration certificate for each Sensor
- Wide Measurement Range:
  - RH: 0 to 100% RH
  - Temperature: 0-50 °C ( Optional: upto 100 °C)
- High Accuracy:  $\pm 1.8\%$  RH; &  $\pm 0.3$  °C
- Low Drift, High Stability Sensor made in Switzerland.
- Splash proof construction with Protection filter
- Temperature Compensated
- Compact construction: 16 mm Dia x 120 mm long
- Independent 0 to 10V Outputs for RH & Temperature
- Attractive pricing.

### SPECIFICATIONS

#### Measurement Range

Relative Humidity :0 to 100% RH;

Temperature: 0°C to 50°C Accuracy

Accuracy: Relative Humidity:  $\pm 1.8\%$  RH; Temperature :  $\pm 0.3$ °C

Reproducibility: Relative Humidity:  $\pm 0.2\%$  RH;

Temperature:  $\pm 0.1$ °C Response Time: < 15 sec to reach 90% of the value

Output : 0 to 10 V for 0 to 100% RH; 0 to 10V 0 to 50°C

Power Supply : 24V DC

DATA & SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

## Also available in Flameproof Enclosure

### OPTIONS

- 4 – 20 mA DC Output
- 0 to 1 V DC Output
- Duct Mounting version with 230mm insertion
- Flameproof Termination enclosure



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