

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; & ± 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 : ± 0.3 °C

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

Temperature: ± 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

Applications:

- Clean Room monitoring
- HVAC Filter Monitoring / Status Alarm.
- Fan Pressure Indication, Fan Failure Interlock.
- Duct Static Pressures monitoring & Alarm.
- Bi-direction ranges ideal for sensing fluctuating building pressure.



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