

KUSAM-MECO®

DIGITAL THERMO HYGROMETER

An ISO 9001:2008 Company

FOR TEMPERATURE / HUMIDITY / WET BULB / DEW POINT MEASUREMENT

Model KM 918 - 3 FUNCTIONS
2 RANGES

For production, processing, packing or storing any goods, moisture plays silent role in damaging the goods. It affects finished goods & machinery. Moisture spoils food, medicines, chemicals etc., It also causes frequent breakdown due to corrosion. Moisture causes different problem in different industries. It causes loss of freshness, crispness, flavour & shape in food industries; corrosion of PCB's component failure, condensation on IC's etc. To monitor the humidity we offer 3 types of Digital Thermo Hygrometers.



FEATURES :

- Dual display for Temperature & Humidity
- Measures temperature in °C / °F
- Dew point and Wet bulb Function
- MAX MIN / MAX-MIN / AVG / & HOLD function
- Portability and simplicity one-hand operation
- Accurate NTC sensor
- Quick response R.H. Sensor
- Display Back-light
- Auto Power Off
- External probe
- CE-Mark approval

GENERAL SPECIFICATIONS :

- * **Display :** 3½ Digit 1999 counts liquid crystal LCD display.
- * **Automatic Zero Adjustment.**
- * **Operating Temperature :** 0°C ~ 55°C, <75% R.H.
- * **Accuracy :** Stated accuracy at 23°C ± 5°C, <75% R.H.
- * **Power Supply :** 9V Battery.
- * **Dimension :** 178(H) x 65.5(W) x 35(D)mm
- * **Wire length :** 2 meters when fully stretched.
- * **Measurement Rate :** 0.5 times / second
- * **Storage Temperature :** -20°C ~ 55°C, <80% R.H. With battery removed .
- * **Low Battery Indication :** Displayed Battery sign when the battery voltage drops below the operating level.
- * **Weight :** approx. 320g. (Including battery).

ACCESSORIES :

User's Manual, Carrying Case & Battery installed.

APPLICATIONS :

- Greenhouse
- Office Environment
- Environmental Studies
- Weather Monitoring
- Food Distribution
- Art Galleries / Museums
- Printing Industry
- HVAC installation & maintenance
- Labs / Textile / Woolen Mills
- Department Stores & Store Rooms
- Hospitals & Clinics/ Pharmaceutical Co.



Green Room

RELATIVE HUMIDITY

Sensor	Electronic Capacitance polymer film sensor
Range	0% ~ 100% RH
Resolution	0.1% RH
Accuracy	±2.5% RH (10% ~ 90% RH) @ 25°C ±5.0% RH (<10%, >90% RH) @ 25°C
Response Time	90% of Total Range : 60sec with 1m/s air movement
Sensor Hysteresis	(Excursion of 10% ~ 90% ~ 10% RH): ±1% RH with 1m/s air movement.
Sensor Temperature Dependence	Negligible between 0°C ~ 50°C

TEMPERATURE

Sensor	Thermistor Temperature Sensor (NTC)
Range	-20°C ~ 60°C / -4°F ~ 140°F
Resolution	0.1°C / °F
Accuracy	±1.0°C on -20°C ~ 0°C / 45°C ~ 60°C ±0.5°C on 0°C ~ 45°C ±2.0°F on -4°F ~ 32°F / 113°F ~ 140°F ±1.0°F on 32°F ~ 113°F

All Specifications are subject to change without prior notice

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