

TECHNICAL DATA

Fluke 971 Temperature Humidity Meter



Key features

- Backlit dual display of humidity and temperature
- Measures dew point and wet bulb temperatures
- 99 record storage capacity
- Ergonomic design with belt clip and protective holster
- Quick-response capacitance sensor
- Compact and lightweight (188 g /6.6 oz)
- Temperature range from -20 °C to 60 °C (-4 °F to 140 °F)
- Relative humidity from 5% to 95%
- Min/Max/Avg Data hold
- Low battery indicator

Product overview: Fluke 971 Temperature Humidity Meter

Temperature and humidity are two important factors in maintaining optimal comfort levels and good indoor air quality. Quickly and conveniently take accurate humidity and temperature readings with the Fluke 971. The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight and easy to hold, the Fluke 971 is the perfect tool for monitoring problem areas. With a rugged holster and protected sensor, the Fluke 971 is built to perform and made to last.

Specifications: Fluke 971 Temperature Humidity Meter

Specifications	
Temperature	-20°C to 60°C (-4°F to 140°F)
Temperature accuracy	0°C to 45°C ($\pm 0.5^{\circ}\text{C}$)
	-20°C to 0°C & 45°C to 60°C ($\pm 1.0^{\circ}\text{C}$)
	32°F to 113°F ($\pm 1.0^{\circ}\text{F}$)
	-4°F to 32°F and 113°F to 140°F ($\pm 2.0^{\circ}\text{F}$)
Resolution	0.1°C / 0.1°F
Temperature update rate	500 ms
Temperature sensor type	NTC
Relative humidity range	5% to 95% RH
Relative humidity accuracy	10% to 90% RH @ 23°C (73.4°F) ($\pm 2.5\%$ RH)
	(< 10%, > 90%RH @ 23°C (73.4°F) ($\pm 5.0\%$ RH)
Humidity sensor	Electronic capacitance polymer film sensor.
Data storage capacity	99 points
Response time (humidity)	For 90% of total range - 60 s with 1 m/s air movement
Environmental Specifications	
Operating temperature	Temperature: -20°C to 60°C
	Humidity: 0°C to 55°C
Storage temperature	-20°C to 60°C at < 80% R.H. (with battery removed)
Mechanical and General Specifications	
Weight	190 g (6.7 oz)
Dimensions	194 x 60 x 34 mm
Battery type	4 AAA alkaline batteries
Battery Life	200 Hours

Ordering information



Fluke 971

Fluke 971 Temperature Humidity Meter

Includes:

- Operation manual
 - 4 AAA alkaline batteries
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