

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 & 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 sec. with 1m/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 & General Specifications	
Weight	190 g (6.7 oz)
Dimensions	194mm x 60mm x 34mm
Battery type	4 AAA alkaline batteries
Battery Life	200 Hours