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TECHNICAL DATA

Fluke 972B / 972ES

Temperature Humidity Meter



Key Features

- Temperature, Relative Humidity, Wet Bulb, Dew Point Measurement.
- Standard and optional external probes are available for working in hard to reach areas.
- Accuracy of ± 0.5 °C and ± 3% RH, to meet industrial grade testing requirements.
- 99 sets of stored data, easy to review (Fluke 972B only).
- Comfortable grip and ergonomic design.
- Reinforced sensor protective cover for worry-free operation.
- Large LCD Screen for easy read outs.
- Data Logging in 5 minute intervals.

Measure and view, industrial design, necessity for inspection.

Temperature and humidity are two important items for comfort test of indoor air and environment. The Fluke 972 Series Temperature Humidity Meter can quickly and easily collect accurate humidity and temperature data. It features streamlined industrial design and is comfortable to hold. Simplified buttons require no complicated operations. The selected high-precision sensors ensure that reliable data is collected. The Fluke 972 Series is an indispensable environmental monitoring tool for facility maintenance and engineering technicians, HVAC service contractors, R&D and manufacturing engineers, and professionals involved in indoor air quality (IAQ) assessments.

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Specifications

		Fluke 972B	Fluke 972ES
Detailed Specifications			
Sensor Type		Internal + External	External
Temperature Range		-30.0 °C to 65.0 °C (built-in sensor); -40.0 °C to 99.9°C (external sensor)	-40.0 °C to 99.9 °C
Temperature Accuracy		Internal sensor: ±0.4 °C (-30 °C to 70 °C) ±0.5 °C (-30 °C to 65 °C) External sensor: ±0.5 °C (-30 °C to 65 °C); ±0.7 °C (others)	±0.5 °C (-30°C to 65°C); ± 0.7 °C (others)
Temperature Resolution		0.1 °C	
Dew Point Temperature	Range	-40.0 °C to 99.9 °C	N/A
	Resolution	0.1 °C	
Wet Bulb Temperature	Range	-20.0 °C to 60.0 °C	N/A
	Resolution	0.1 °C	
Humidity	Range	0% to 99.9% RH	
	Accuracy	±3% RH (≥20% RH to ≤80% RH @ 25 °C); ± 5% RH (≥ 1% RH to <20 % RH, >80% RH to ≤95 % RH @ 25 °C) Unspecified for others	
	Resolution	0.1% RH	
Date Storage		Yes. Up to 99 sets	N/A
Display		2-line LCD display, with backlight	No
Auto Off		Power off after 20 min without any operation	N/A
General Specifications			
Temperature	Operating	-30 °C to 70 °C	-40 °C to 70 °C
	Storage	-30 °C to 70 °C, <80% RH (without battery)	-40 °C to 70 °C, <80% RH
Altitude	Operating	2000 m	
	Storage	12000 m	
Relative Humidity	Operating	0% RH to 99% RH	
	Storage	< 80% RH	
Power Supply	Battery Type	2 x AAA Batteries	N/A
	Battery Life	1000 hrs for continuous operating, backlight off	N/A
Safety		IEC61010-1, Pollution Degree 2	
Dimensions (L x W x H)		211 mm × 58 mm × 40 mm	264 mm × 33 mm × 28 mm
Weight		172 g (body)	127 g
Electromagnetic Environment (EMC)		IEC 61326-1: Portable, Electromagnetic Environment; IEC 61326-2-2; CISPR 11: Group 1; Class A	
		Group 1: Equipment intentionally generates and/or uses conductive-coupled RF energy, which is necessary for its internal operation. Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances. Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.	
IP Rating		IEC 60529: IP30, non-operating	

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Ordering Information

Fluke 972B/972ES Temperature Humidity Meter

Includes:

- Fluke 972B Temperature Humidity Meter
- Fluke 972ES External Sensor





Fluke. *Keeping your world up and running.®*

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