TECHNICAL DATA

Fluke 972A/972B/972ES Temperature Humidity Meter

https://www.fluke.com/en-in/product/building-infrastructure/indoor-air-quality-testing/fluke-972b-972es

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Key features

- Standard and optional external probes are available for limited space
- 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)
- Auto logging mode for up to 8 hours of automatic temperature and humidity monitoring (Fluke 972B only)
- Comfortable grip and ergonomic design
- Reinforced sensor protective cover for worry-free operation

Product overview: Fluke 972A/972B/972ES Temperature Humidity Meter

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.

Specifications: Fluke 972A/972B/972ES Temperature Humidity Meter

		972A	972B	972ES
Detailed Specifications				
Sensor Type		Inteal	Inteal + Exteal	Exteal
Temperature Measurement Range		-30.0 u2103 to 65.0 u2103	Inteal sensor: -30.0 u00b0C to 65.0 u00b0C; ttExteal sensor: -40.0 u00b0C to 99.9 u00b0C	-40.0 u00b0C to 99.9 u00b0C
Temperature Accuracy		u00b10.5 u2103 (-30.0 u2103 to 65.0 u2103)	Inteal sensor: u00b10.5 u00b0C (-30.0 u00b0C to 65.0 u00b0C) ttExteal sensor: u00b10.5 u00b0C (-30.0 u00b0C to 65.0 u00b0C); ttu00b10.7 u00b0C (others)	u00b10.5 u00b0C (-30.0 u00b0C to 65.0 u00b0C); ttu00b10.7 u00b0C (others)
Temperature Resolution		0.1 u00b0C		
Dew Point Temperature	Range	N/A	-40.0 u00b0C to 99.9 u00b0C	N/A
	Resolution	N/A	0.1 u00b0C	N/A
Wet Bulb Temperature	Range	N/A	-20.0 u00b0C to 60.0 u00b0C	N/A
	Resolution	N/A	0.1 u00b0C	N/A
Humidity	Range	0.0% RH to 99.9% RH		
	Accuracy	u00b13% RH (u226520.0% RH to u226480.0% RH @ 25 u2103) ttu00b15% RH (u22651% RH to <20% RH, >80% RH to u226495% RH @ 25u2103) ttUnspecified for others		
	Resolution	0.1% RH		
Data Storage		N/A	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
Max/Min/Avg		Yes	Yes	N/A
Auto Logging Mode		N/A	Yes	N/A
General Specifications				
Temperature	Operating	-30 u00b0C to 70 u00b0C		-40 u00b0C to 70 u00b0C
	Storage	-30 u00b0C to 70 u00b0C, <80% RH (without baery)		-40 u00b0C to 70 u00b0C, <80% RH
Altitude	Operating	2000 m		
	Storage	12 000 m		
Relative Humidity	Operating	0% RH to 99% RH		
	Storage	uff1c80% RH		

Power Supply	Baery Type	2 x AAA Baeries	u2014
	Baery Life	1000 hrs for continuous operating, backlight off	u2014
Safety	IEC61010-1, Pollution Degree 2		
Dimensions (L x W x H)	211 u00d7 58 u00d7 40 mm		264 u00d7 33 u00d7 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 inteal operation. ttClass 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. ttCaution: 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		

Ordering information

Fluke 972A/972B/972ES

Fluke 972A/972B/972ES Temperature Humidity Meter

Fluke 972A Temperature Humidity Meter

Includes

- The Fluke 972A Temperature Humidity Meter

Fluke 972B Temperature Humidity Meter

Includes

- The Fluke 972B Temperature Humidity Meter
- Fluke 972ES external sensor

Fluke 972ES External Temperature/Humidity Sensor

Includes

- Fluke 972ES external sensor

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