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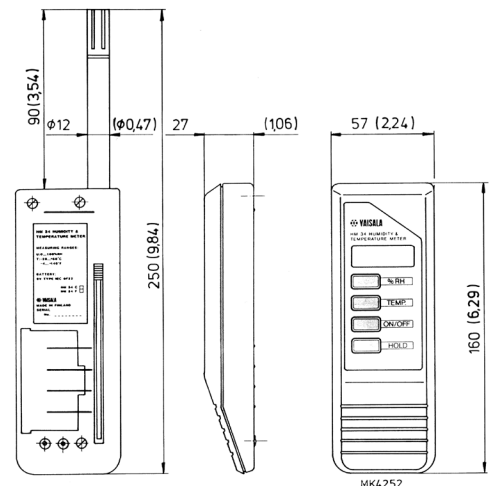www.vaisala.com/HM34

VAISALA

HM34 Pocket Size Relative Humidity Meter

The Vaisala HUMICAP® Hand-Held Humidity and Temperature Meter HM34 provides accurate spot checks of humidity and temperature.

Features/Benefits

- Ideal for spot checking humidity levels
- Measurement range 0 ... 100 %RH
- Fast response with ±2% accuracy
- Temperature measurement range -20 ... +60 °C (-4 ... +140 °F)
- Lightweight, pocket-sized
- Incorporates Vaisala HUMICAP® Sensor that provides high accuracy, excellent long-term stability, neglible hysteresis, and insensitivity to dust and most chemicals
- Extendable probe
- Automatic POWER-OFF
- Available in either °F or °C
- NIST traceable (certificate included)
- Each unit comes with a 9V battery, attached probe, 0.2 μm protective membrane filter and a carrying case

Dimensions

Dimensions in mm (inches).

The Vaisala HUMICAP® Hand-Held Humidity and Temperature Meter HM34 provides a fast and convenient way to accurately spot-check relative humidity and temperature.

Fast and easy-to-use

In measurement mode, the extendable probe just slides out. Normally, measurement takes only a few seconds. The HM34 meter includes a HOLD button which allows the user to retain an RH or T measurement until it has been noted or recorded.

If no buttons are pressed for three minutes, the unit automatically switches itself off. This automatic POWER-OFF function prevents the possibility of accidental discharge of the HM34's battery.

After the measurement is completed, the probe is slid back into the meter casing. Between spot checks, the meter is normally stored in its carrying case.

Technical Data

Relative humidity

Measurement range	0 ... 100 %RH
Accuracy	±2% (0 ... 90 %RH)
	±3% (90 ... 100 %RH)
Resolution	0.1 %RH
Temperature dependence	±0.04 %RH/°C
Sensor type	HUMICAP®H thin film capacitive sensor
Response time (90%)	15 s with membrane filter
	5 s with plastic grid

Temperature

Range	-20 ... +60 °C (-4 ... +140 °F)
Accuracy	±0.3 °C (±0.54 °F)
Resolution	0.1 °C (0.1 °F)
Temperature dependence	±0.02 °C/°C (±0.02 °F/°F)
Sensor	Pt 100 IEC 751 1/3 Class B

General

Display	3 1/2 digit LCD
Hold function	Push-button hold of displayed value
Power supply	9 V battery
Battery operation time	50 h
Automatic POWER OFF	after 3 minutes, unless HOLD is activated
Operating temperature range	-20 ... +60 °C (-4 ... +140 °F)
Housing	ABC plastic
Sensor protection	
standard	plastic grid, part no. 6221
optional	sintered filter 133 mm, part no. 0195
Weight	180 g with battery
Ordering Information	
HM34C	with °C temperature reading
HM34F	with °F temperature reading
Electromagnetic compatibility	Complies with EMC standard EN61326-1, Portable Equipment

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