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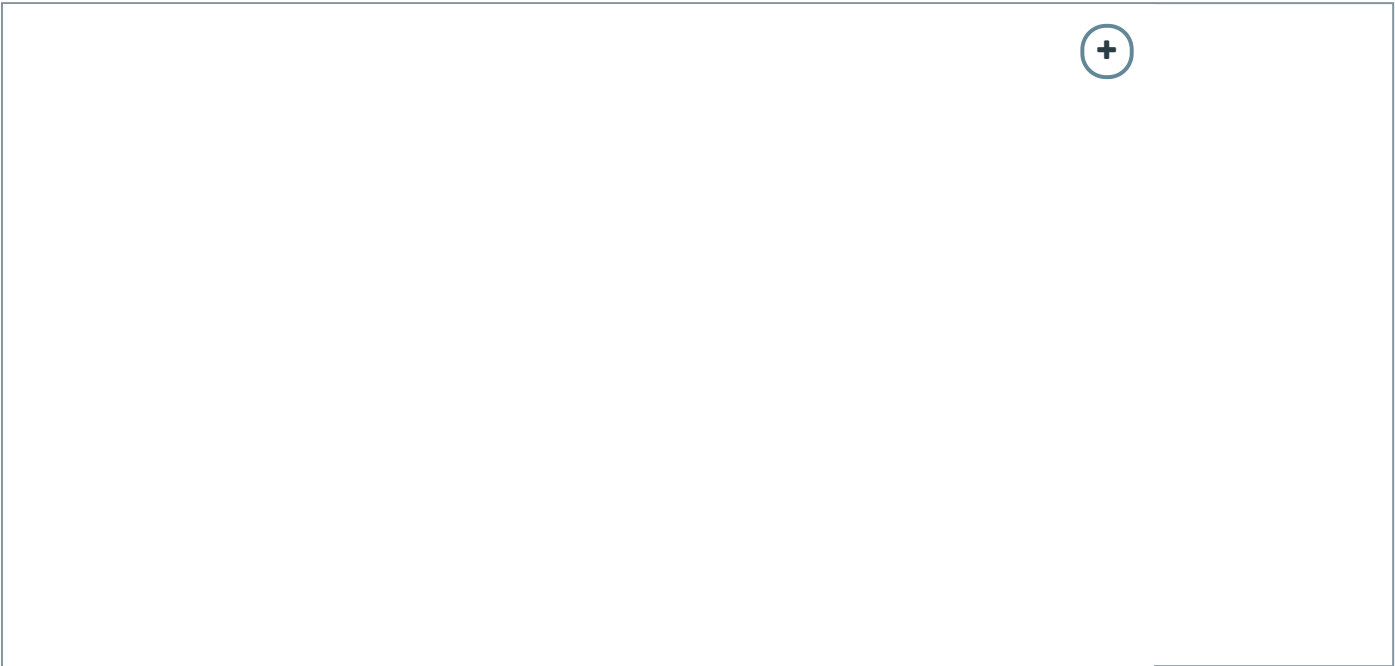


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testo 645 - Humidity measuring instrument for industry

Order-Nr. 0560 6450





Where to buy

- ✓ High-precision humidity measurement up to $\pm 1\%$ RH
- ✓ Internal reading memory (3,000 readings)
- ✓ Convenient data evaluation via optional PC software
- ✓ Possibility of attaching a really wide range of optional probes thanks to a large accessory portfolio

The testo 645 humidity and temperature measuring instrument automatically indicates the measurement parameters of relative humidity, absolute humidity, dew point, degree of humidity, enthalpy, and temperature, at the touch of a button.

This meter uses a sensor to start up.

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Details Technical Data Probes Accessories Downloads

Temperature - Pt100

Measuring range	-328° to 1472 °F / -200 to +800 °C
Accuracy	$\pm 0.1\%$ of mv (392.2° to +1472 °F) / $\pm 0.1\%$ of mv (200.1 to 800 °C) ± 0.4 °F (-328° to 392 °F) / ± 0.2 °C (-200 to 200 °C)
Resolution	0.1 °F / 0.1 °C

Temperature - NTC

Measuring range	-58° to 302 °F / -50 to +150 °C
Resolution	0.1 °F / 0.1 °C

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Temperature - Type K TC

Measuring range	-328° to 2498 °F / -200 to +1370 °C
Accuracy	±0.5 % of mv (-328° to -76.2 °F) / ±0.5 % of mv (-200 to -60.1 °C) ±0.5 % of mv (+140.2° to +2498 °F) / ±0.5 % of mv (+60.1 to +1370 °C) ±0.5 °F (-76° to +140 °F)
Resolution	0.1 °F / 0.1 °C

Temperature - Type J TC

Measuring range	-40° to 1382 °F / -40 to +750 °C
Accuracy	±0.5 % of mv (-328° to -76.2 °F) / ±0.5 % of mv (-200 to -60.1 °C) ±0.5 % of mv (140.2° to 1382 °F) / ±0.5 % of mv (+60.1 to +750 °C) ±0.5 °F (-76° to 140 °F)
Resolution	0.1 °F / 0.1 °C

Temperature - TC Type S (Pt10Rh-Pt)

Measuring range	-58° to 3092 °F / -50 to +1700 °C
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Humidity - Capacitive

Measuring range	0 to 100 %rH
Accuracy	see probe data
Resolution	0.1 %rH (-58° to 302 °F) / 0.1 %RH (-50 to +150 °C)

General technical data

Dimensions	8 x 3 x 2 in. / 215 x 68 x 47 mm
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General technical data

Operating temperature	32° to 122 °F / 0 to +50 °C
Housing	ABS
Number of channels	2-channel
Battery type	9V block battery
Battery life	45 h
Battery feaute	The hour times are reduced by a factor of 5 if a 9V rech. battery is used
Display type	LCD
Display size	4 lines
Storage temperature	-4° to 158 °F / -20 to +70 °C
Weight	9 oz. / 255 g

- › Emission measurement
- › CO₂, CO, light, sound, rpm
- › Data loggers
- › Electrical measurement
- › Humidity measurement
- › Cooking oil and pH
- › Pressure measurement
- › Flow measurement
- › Temperature measurement
- › Thermal imagers
- › Transmitters
- › Smart Probes
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