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1 Thermohygrometer, analogue

Synthetic hair, spun metal case with dial and brass hanging ring.

TFA Dostmann
Measuring range

 Relative humidity: 0 to 100%
 Temperature: -15 to 55°C
 Weight: 105g

Diam. mm	PK	Cat. No.
100	1	9.726 403

2



2 Thermohygrometer

Universal application thermohygrometer with outdoor probe and stand/attachment device. Accessory wall mounting (screws or adhesive tape) are available on request.

Amarell
Specifications

 Measuring range: 0 to +50 x 0.1°C
 switchable to °F
 20 to 99 x 1% R.H.
 Dimensions (W x D x H): approx. 65mm x 20mm x 97mm

Type	PK	Cat. No.
Thermohygrometer	1	9.235 135

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3 Digital Thermo-/Hygrometer EXACTO

NEW

For monitoring temperature and humidity. With display of min and max values.

TFA Dostmann

- Permanent display of daily maximum and minimum values with automatic reset after 24 hours.
- Additional max/min memory with manual reset
- Calibration function
- Backlighting
- With magnet, stand and mounting hole
- Precision sensor
- Stainless steel frame

Specifications

 Temperature range: -20 ... 70 °C
 Temperature accuracy: ±1 °C
 Temperature resolution: 1 °C
 Humidity range: 1 ... 99 %
 Humidity accuracy: ±3 % at 35 ... 75 %, otherwise ±5 %
 Humidity resolution: 1 %
 Power supply: 2 x 1.5 V AAA (not included in scope of supply)
 Dimensions (W x D x H): 74 x 26 x 90 mm
 Weight: 106 g

Type	PK	Cat. No.
EXACTO	1	4.670 846



1 Digital wireless thermometer/hygrometer INFO



TFA Dostmann

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For monitoring outdoor temperature and room temperature/humidity. Display of minimum and maximum values and observation over an individual period.

- Wireless transmission of outdoor temperature via transmitter (max. 80 m)
- Indication of indoor temperature and humidity
- Permanent display of maximum and minimum values with manual reset
- Additional max/min memory with automatic reset after 24 hours
- Precision sensor
- 80 m range of the transmitter

Scope of supply: Wireless thermometer, temperature transmitter

Specifications

Temperature range (internal):	-10 ... 60 °C
Temperature range (external):	-40 ... 60 °C
Temperature accuracy:	±1 °C
Humidity range:	10 ... 99 %
Humidity accuracy:	±3 % at 35 ... 75 %
Transmission frequency:	433 MHz
Power supply:	2 x 1.5 V AA
Dimensions (W x D x H):	77 x 22 x 86 mm
Weight:	70 g

Type	PK	Cat. No.
Thermometer/hygrometer INFO	1	4.670 847

2 Thermohygrometer, TA 100

TFA Dostmann

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- Very fast humidity sensor
- Dewpoint and max./min. function
- °C/°F-switchable
- Hi-Lo alarm with red warning LED

Specifications

Temperature	
Measuring range:	-40°C to +70°C
Display resolution:	0.1°C
Accuracy:	±1°C
Humidity	
Measuring range:	1% to 99% R.H.
Display resolution:	0.1%
Accuracy:	±4% from 35% to 75% remaining range ±5%
Working temperature:	-40°C to +70°C
Batteries:	2 x 1.5 Volt AAA
Dimensions:	105mm x 105mm x 44mm
Weight:	150g (incl. packaging)

Type	PK	Cat. No.
TA 100	1	9.726 405

3 Digital thermo-hygrometer for room and outdoor measurement



TFA Dostmann

3



For simultaneous monitoring of indoor and outdoor temperature/humidity.

- Measurement of outdoor data via cable sensor (cable length approx. 1.5 m)
- Display of minimum and maximum values and observation over a freely selectable period of time
- Min-/Max function
- For hanging and standing

Scope of supply: Thermo-hygrometer, battery

Specifications

Temperature range:	-10 ... 60 °C
Temperature accuracy:	±0.8 °C at 10 ... 30 °C, otherwise ±1 °C
Temperature resolution:	0.1 °C
Humidity range:	10 ... 99 %
Humidity accuracy:	±3.5 % at 30 ... 80 %, otherwise ±5 %
Humidity resolution:	1 %
Power supply:	1 x 1.5 V AAA
Dimensions (W x D x H):	102 x 21 x 110 mm
Weight:	144 g

Type	PK	Cat. No.
Digital thermometer/hygrometer	1	9.726 418

3. Analytical measurement and testing

Climate and environment measurement/Hygrometer-Special climate meters

1



9.726 964

Thermohygrometer testo 608

Continuous monitoring of indoor climate

The economic thermohygrometer testo 608-H1 measures humidity, temperature and dewpoint continuously. The large display is easy to read even at a distance. With wall mounting and table holder for flexible positioning. The accurate testo 608-H2 alarm hygrometer reliably indicates when humidity and temperature limits have been exceeded, for example in greenhouses, warehouses, cleanrooms, museums, laboratories etc.

Testo

- Continuous display of temperature and humidity or dewpoint
- With dew point calculation and max/min display
- Battery monitoring

Additional features testo 608 H2:

- LED alarm, warns if limits are exceeded
- High accuracy $\pm 2\%rH$

Specifications

Measuring rate:

Battery type:

Dimensions:

Housing:

Display:

Sensor type NTC:

Measuring range:

Accuracy (at 25°C):

Resolution:

Sensor type testo humidity sensor capacitive:

Measuring range:

Accuracy (at 25°C):

Resolution:

Operating temperature:

testo 608-H1 // testo 608-H2

18sec

9V block battery

111 x 90 x 40mm

ABS

LCD, 2 lines

0 ... 50 °C // -10 ... 70 °C

± 0.5 °C (± 1 digit)

0.1 °C

+10 ... 95 % rH // 2 ... 98 % rH

± 3 % rH // ± 2 % rH

0.1% rH

0 ... 50 °C // -10 ... 70 °C

Type	PK	Cat. No.
testo 608-H1	1	9.726 964 1
testo 608-H2	1	9.726 965

2



2 Digital Anemometer

For the measurement of wind speed (in m/s, km/h, mph, knots, ft/min), maximum and average wind speed, indication of temperature (in °C or °F). LCD backlight display. Auto/Manual power off. Useful for the functional check of fume hoods and safety cabinets.

Wind speed range:

0.2 to 30 m/s

Resolution:

0.1 m/s

Accuracy:

± 5 %

Temperature range:

-10 ... +45 °C (-14 ... +113 °F)

Power supply:

3V CR2032 (included)

Height mm	Width mm	Depth mm	PK	Cat. No.
104	58	19	1	6.264 198



1 Sound level meter SU 130, class II

SAUTER

- Sound level meter for noise measuring.
- Delivered in a hard carrying case
 - Multi measuring functions: Lp: Standard sound level measuring function, Leq: Energy equivalent sound level measuring mode (type A), Ln: Shows the deviation from a pre-defined limit in %
 - Selectable methods of evaluation: A: As sensitive as the human ear, C: Sensitive for noisier environmental conditions, where there are machines, plant, motors etc., F: For areas where sound intensity does not vary
 - Function to set limits: Programmable target value for go/no-go test values
 - Track function for continuous recording of variable environmental conditions
 - Peak Hold Mode to capture peaks
 - Internal memory for measured values, for 30 measurements. Can be displayed on the PC
 - Data interface RS-232, included



Specifications

Measuring range

Lp A:	30 to 130 dB
Lp C/Lp F:	35 to 130 dB
Leq:	30 to 130 dB
Ln:	0 to 100 %
Readability:	0.1 dB
Dimensions (W x D x H):	236 x 63 x 26 mm
Net weight:	approx. 170 g
Power supply:	4 x 1.5 V AAA (not included)

Type	PK	Cat. No.
Sound level meter SU 130, class II	1	6.270 977

2 Sound level meter class I and II

NEW
SAUTER

For measurements for workplaces which are outdoors, e.g. at airports, on building sites, in road construction etc. with broad access to spectrum thanks to the highly-accurate 24-Bit A/D converter.

- Different sound pressure levels can be selected, such as, for example, Laeq, LcPeak, LaF, LaFMax, LaFMin, SD, SEL, E
- The optimised analogue frontend switch reduces the ambient noise and increases the linear measuring range
- Three profiles and 14 user-defined measurements can be calculated in parallel with different frequency and time weighting
- LN statistics and display of the graph showing the progression of time
- User-defined integral interval measurement up to a maximum of 24 hours is possible
- Frequency weighting (filter) A, B, C, Z
- Time interval during measurement: F (fast), S (slow), I (pulse)
- Freely-definable limits for the output of an optical alarm signal
- Peak Hold Mode to capture peaks
- Octavo function for targeted sound analysis
- Track function with graphic display of a measurement
- Calibration mode (with optional calibrator)
- Trigger mode: Analogue signal to switch the device on or off with 3.5 mm plug
- Automatic measurement for timer function is possible
- Measured value recording frequency selectable: 10, 5, 2 Hz
- Data transfer using MicroSD (4 GB), RS-232 or USB
- Option of fitting a column on the rear of the housing, ¼ thread



Scope of supply: Sound level meter, memory card, hard carrying case

Specifications	SW 1000 // SW 2000
Measuring capacity linear:	20 ... 134 dB // 25 ... 136 dB
Frequency range:	0.003 ... 20 kHz // 0.02 ... 12.5 kHz
Sensitivity:	50 m V/Pa // 40 m V/Pa

Type	PK	Cat. No.
SW 1000, class I	1	6.311 638
SW 2000, class II	1	4.676 252

1



1 Light measuring instrument SO

Light measuring instrument for precise light measurement up to 200.000 Lux

SAUTER

- Measures illumination in the workplace
- Helps to determine whether a workstation has insufficient light or whether there is too much light
- Photo sensor: silicon diode
- Cosine correction for angular incident light
- Sturdy protective cover for the photo sensor
- Increased service life: Impact protection through a protective casing
- Track function for continuous recording of variable environmental conditions
- Peak Hold Mode to capture peaks
- Selectable measuring units: fc (foot-candle), lx
- AUTO-OFF function
- Delivery in a robust box

Specifications

Measuring range/Readability:	200 lx/0.1 lx 2000 lx/1 lx 20000 lx/10 lx 200000 lx/100 lx
Measuring frequency:	2 Hz
Cable length (Photo sensor):	approx. 1 m
Dimensions (W x D x H):	100 x 60 x 28 mm
Net weight:	approx. 250 g
Power supply:	9 V Block (not included)

Type	PK	Cat. No.
Light measuring instrument SO	1	6.259 057

2 CO₂ Meter, Air CO₂ntrol 5000

With data logger function, ideal for monitoring the CO₂ concentration in buildings.

Dostmann electronic

- Logger function saves the data as a CSV file on Micro SD card
- LEDs for visual identification of CO₂ concentration
- Displays temperature, Humidity and CO₂ content
- Individual alarm setting
- Bench- and wall mounting

Scope of supply: Meter incl. USB mains adapter and Micro SD card

Specifications

CO₂ range:	0 ... 5000 ppm
Resolution:	1 ppm (0-1000 ppm), 5 ppm (1001-2000 ppm), 10 ppm (>2000 ppm)
Accuracy:	±50 ppm or 5 % larger value applies, >3000 ppm ±7%
Temperature range:	0 ... 50 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C
Relative humidity:	5 ... 95 %
Resolution:	1 %
Accuracy:	±5 %
Display:	7 segment LCD
Housing:	Plastic
Dimensions:	120 x 66 x 33 mm
Weight:	103 g (without mains adapter)
Power supply:	100-240 VAC 50/60 Hz

Type	PK	Cat. No.
Air CO ₂ ntrol 5000	1	6.291 253

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1 Precision handheld instruments P700 series

For temperature, moisture and airflow.

Dostmann electronic

For highly accurate temperature measurements with USB PC online interface.

(Optional: Windows SmartGraph software for graphical and tabular documentation, etc). Integral probe calibration for sensor tolerance compensation. Min.- Max.- Hold- and AVG- functions. The large LCD shows two measurements synchronously, even temperature differences can be displayed (P705, P755, P755-Log, P770).

Specifications

General (all models):

USB interface, Max-Min memory, Hold function, true average calculation over a freely selectable period, Auto-off function, measured quantities can be freely assigned to instrument channels, comprehensive calibration options (selectable 1-point, 2-point or 3-point calibration), large display with bar graph for simultaneous display of 2 measured values

P700/P705:

1/2 measurement channels (Pt100 4-wire probe, thermocouples type J, K, L, N, T, R, S), measurement ranges and accuracies: Pt100: -200 to +850°C (±0.1 °C -100 to +200°C, otherwise ±0.1% of measurement value) thermocouples, DIN types (-200 to +1760°C)

P710/P715:

1/2 measurement channels (Thermocouples type K, J, L, N, T), measurement ranges and accuracies: -200 to +1370°C (±0.2 °C from 0 to +200 °C, ±0.5 °C to 1000 °C, otherwise ±1.0 °C of measurement value)

Thermocouples acc. to EN 60584

P750/P755/P755-Log:

1/2 measurement channels (Pt100 4-wire probe, thermocouples type J, K, L, N, T, R, S, moisture, flow), measurement ranges and accuracies: Pt100: -200 to +850°C (±0.03°C -50 to +200°C, ±0.05°C -200 to +200°C, otherwise ±0.05% of measurement value), thermocouples, DIN type (types J, K, L, N, T to 200 °C, ±0.3°C, +200 to +1000°C ±1.0 °C, otherwise ±1.5°C;

type R, S ±1.0 °C +0.1% of measurement value) humidity 0 to 100% R.H. (±1.5%R.H.), flow 0 to 40 m/s (±0.5% of measurement value +1.0% of final value)

P770:

2 measurement channels (Pt100, thermocouples type J, K, L, N, T, R, S, moisture, flow), measurement ranges and accuracies: Pt100: -200 to +850°C (±0.1 °C -100 to +200°C, otherwise ±0.1% of measurement value) thermocouples, DIN types, humidity 0 to 100%R.H. (±1.5%R.H.), flow 0 to 40 m/s (±0.5% of measurement value) Dimensions (L x W x D)/ weight: 200 x 85 x 40mm/300g

P700-P755 for Ex-use Zone 1 and Zone 2 according to ATEX approval II 2 G Ex ib IIB T4 Gb available on request.



Type	Description	PK	Cat. No.
P700	1 channel, Pt100	1	9.852 000
P705	2 channel, Pt100	1	9.852 001
P710	1 channel thermocouples Type K, J, L, N, T	1	9.852 002
P715	2 channel thermocouples Type K, J, L, N, T	1	9.852 003
P750	1 channel, Pt100, moisture, dew point, flow	1	9.852 004
P755	2 channel, Pt100, moisture, dew point, flow	1	9.852 005
P755-Log	2 channel, Pt100, moisture, dew point, flow, with datalogger for 6000 values	1	9.852 006
P770	2 channel, Pt100, moisture, dew point, flow	1	9.852 007
P770-Log	2 channel, Pt100, moisture, dew point, flow, with datalogger for 6000 values	1	9.852 008

Accessories for hand-held meters Serie P700

Description	PK	Cat. No.
Immersion probe Pt100, -50 to +350°C, Cl. B, 150x3mm	1	9.851 935
Immersion probe Pt100, -50 to +350°C, Cl. B, 300x3mm	1	9.851 936
Immersion probe Pt100, -200 to +450°C, ±0.03°C, 150x3mm	1	9.851 937
Immersion probe Pt100, -200 to +450°C, ±0.03°C, 300x3mm	1	9.851 938
Insertion probe Pt100, -50 to +350°C, Cl. B, 150x4mm	1	9.851 948
Immersion probe NiCr-Ni/Type K, -40°C to +1100°C, Cl. 1, 300x1.5mm	1	9.851 949
Surface probe NiCr-Ni/Type K, T90 3 sec., -65 to +550°C, 150 x 15.0mm	1	9.851 961
Temp. / relative Humidity -40 to 80°C / 0 to 100%, 120x20mm	1	9.851 954
Airflow Turbine probe 0 to 20m/s, diam. 22 x 28mm, 150mm lg.	1	9.851 955
Software DE-Graph for 95 / 98 / 2000 / NT / Vista	1	9.851 925
P700 adapter for type K probe with mini plug	1	9.851 995
Service case suitable up to 3 probes & accessories	1	9.851 924
ISO certificate for temperature CERT	1	9.851 992
PC-Cable for USB port	1	6.242 171
Power supply 230 V	1	9.851 959

3. Analytical measurement and testing

Climate and environment measurement/Special climate meters

1 Thermometer testo 440 Laboratory kit



Testo

Laboratory kit with Pt100 probe for reliable and precise temperature measurement and documentation. Particularly suitable for use in corrosive media due to the laboratory probe, whose coating is made of the tried-and-tested DURAN® laboratory glass. The testo 440 air velocity & IAQ measuring instrument automatically detects the connected probes, and the stored, structured measurement menus makes work considerably easier in a wide variety of applications. For example it can be used to optimally adjust air conditioning and ventilation systems.

- Structured measurement menu for long-term measurements
- Internal data storage and USB port for flexible data export
- Parallel connection of up to three probes possible: one Bluetooth® probe, one wired probe and one temperature probe with thermocouple type K connection
- Versatile, expandable with an extensive selection of digital probes

Scope of supply: Climate measuring instruments, 3x AA batteries, USB cable and calibration protocol, glass-coated digital Pt100 laboratory probe, basic case for testo 440 and 1 probe

Specifications

Temperature measuring range (NTC):	-50 ... +400 °C
Accuracy:	±0.3 °C (-50 ... 300 °C) ±0.4 °C (300.01 ... 400 °C)
Resolution:	0.01 °C
Memory:	7500 measurement protocols
testo 440	
Operating/storage temperature:	-20 ... +50 °C
Dimensions (W x D x H):	65 x 32 x 154 mm
Weight:	250 g
Power supply:	3 x Mignon, Type AA
Pt100 probe	
Operating/storage temperature:	-5 ... 45 °C/-20 ... 60 °C
Cable length:	1.6 m
Dimensions (L x Ø):	200 x 6 mm
Weight:	160 g

Type	PK	Cat. No.
testo 440 Laboratory kit	1	6.314 325

Probes for Climate measuring instrument testo 440



Testo

Description	Measuring range °C	PK	Cat. No.
Fume cupboard probe (digital), wired	0 ... +50	1	6.312 182 2
Laboratory probe glass-coated (digital) with Pt100 temperature sensor	-50 ... +400	1	6.312 183 3
Immersion/Piercing probe (digital) with Pt100 temperature sensor	-80 ... +300	1	6.312 184

