

PCE-T312

2-Channel Contact Thermometer

- type K thermometer with dual input
- direct/differential measurement (T1-T2)
- relative time measurement of temperature rise and drop
- error correction of thermocoupling
- °C, °F or Kelvin (K) readings



TECHNICAL SPECIFICATIONS

Range type K	-200 ... +1372 °C / +73 ... +1645 K
Range type J	-210 ... +1100 °C / +63,15 ... 1373,15 K
Resolution	0.1 °C / 0.1 °F / 0.1 K
Accuracy	±0.5 % + 2 °C / ±0.5 % + 2 K
Display	LCD 3 1/2 digits, max. indication 1999, backlight
Thermocouple	K-type; J-type
Input	dual
Sampling rate	2.5 x per second
Power supply	3x 1.5 V AAA batteries
Dimensions	60 x 160 x 30 mm
Weight	180 g

INCLUDES

Thermometer, P TF-50 probe, universal sensor, batteries, cover, instruction manual

ITEM NO.	ITEM
K-PCE-T312	temperature measuring device

OPTIONAL ACCESSORIES

K-CAL-T2	ISO calibration cert. (2 channels)
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See page 11 for additional sensors

PCE-T317

1-Channel High-Precision Thermometer

- functions: alarm/hold/min/max/mean values
- high accuracy: ±0.05 %
- memory capacity of 97 readings
- selectable measurement units
- Automatic Power Off



TECHNICAL SPECIFICATIONS

Meas. range	-190 ... +790 °C (acc. to probe)
Resolution	0.1 °C
Accuracy	±0.05% of measured value +0.5 °C (+ probe deviation)
Sampling rate	every 1.5 s
Internal memory	97 readings (manual)
Auto Power Off	30 min / can be deactivated
Display	LCD of 3 1/2 digits, backlight
Power supply	6 x 1.5V AAA batt. (approx. 55 h)
Operating cond.	0 ... +50 °C, < 80 % RH
Dimensions	150 x 72 x 35 mm
Weight	235 g (incl. batteries)

INCLUDES

Temperature measuring device, PT100 probe, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-T317	1-channel thermometer

OPTIONAL ACCESSORIES

K-CAL-PT100	ISO calibration certificate
K-PT-385	PT100 replacement probe

PCE-HPT 1

Data Logger Thermometer (Pt 100)

- 4-wire Pt 100 A-class sensor
- Automatic Power Off
- backlight
- internal data logger (16000 values)
- internal timer
- data hold function



TECHNICAL SPECIFICATIONS

Meas. range	-100 ... +400 °C
Resolution	0.01 °C
Accuracy	± 0.05 % + 0.1 °C (18 °C ... 28 °C) device only
Sampling rate	every 0.5 s
Sensor	4-wire Pt 100 A-class
Display	LCD 5 digits
Data transmission	USB
Power supply	1 x 9V battery or mains adaptor 9 V (optional)
Dimensions	185 x 65 x 36 mm
Weight	360 g

INCLUDES

Thermometer, Pt 100 probe, USB cable, software, battery, box, instruction manual

ITEM NO.	ITEM
K-PCE-HPT 1	thermometer

OPTIONAL ACCESSORIES

K-CAL	calibration certificate
K-ADAP-HPT	mains adaptor

PCE-IR 100 (HACCP)

Infrared / Contact Thermometer

- temperature measurement with and without contact, combined in a single device
- suitable for use in the food industry
- short response time / LED display
- min. / max. value hold function
- easy to clean due to high-grade protection IP 65



TECHNICAL SPECIFICATIONS

IR range / resolution	-33 ... +220 °C / 0.1 °C
Accuracy	-33 °C ... 0 °C: ± 1.0 °C + 0.1 °C 0 °C ... +65 °C: ± 1.0 °C +65 °C ... +220 °C: ± 1.5 % of rdg.
Ratio / resp. time	3:1 / < 500 ms
Emissivity	adjustable 0.10 ... 1.00
Contact range./resol.	-55 ... +330 °C / 0.1 °C
Accuracy	-55 °C ... -5 °C: ± 1.0 °C -5 °C ... +65 °C: ± 0.5 °C +65 °C ... +330 °C: ± 1.0 % of rdg.
Power supply	2 x 1.5 V AAA batteries
Dimensions / weight	190 x 38 x 22 mm / 98 g

INCLUDES

Food thermometer, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-IR 100	food thermometer

OPTIONAL ACCESSORIES

K-CAL-IR100	ISO calibration certificate
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Only the IR sensor can be calibrated, not the probe)

PCE-TD 60

USB Temperature Data Logger

- internal sensor / works with lithium battery
- integrated display for up-to-date values
- internal memory of up to 32000 values
- sampling rates of between 1 s and 6 hrs
- timing of data logging can be pre-set
- programmable optical alarm



TECHNICAL SPECIFICATIONS

Measurement range	-40°C ... +85 °C
Accuracy	± 0.6 °C (-20 ... +50 °C), ± 1.2 °C rest of ranger
Memory	32000 sets of data
Display	LCD 3 digits
Sampling rate	1 s ... 6 h
LED:	flashing green-red: measuring flashing red: below or above measurement range
Power supply	lithium battery 3.6 V, 1/2 AA
Operating conditions	0 ... +50 °C, < 80 % RH
Dimensions	135 x 28 mm, with cover cap

INCLUDES

USB data logger, battery, box, carrying strap, instruction manual

ITEM NO.	ITEM
K-PCE-TD 60	USB temperature data logger



PCE-HT 71N

USB Climate Meter for RH and Temp.

- 32000 values memory capacity / USB interface
- analysis software / dew point calculator
- adjustable alarms, real-time clock with date
- adjustable sampling rates (2 s - 24 hrs)
- long-life lithium battery
- LED status indication (including alarm)



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 % RH / -40 ... +70 °C
Resolution	0.1 % RH / 0.1 °C
Accuracy	±3 % RH / ±1 °C
Memory	32000 readings (16000 each)
Sampling rate	adjustable 2 s, 5 s, 10 s ... 24 h
Start / stop / date	programmable (alarm as well)
Display	2 LED (logging / alarm)
Interface	USB
Dew point	can be calculated (accuracy ±2 °C)
Power supply	3.6 V lithium battery
Operating conditions	-40 ... +70°C / 0 ... 100 % RH
Dimensions/weight	102 x 30 mm / 25 g

INCLUDES

Data logger, wall mount, battery, software, instruction manual

ITEM NO.	ITEM
K-PCE-HT 71N	data logger



PCE-MHT 1

Pocket Thermohygrometer

- MAX / MIN functions
- temperature and humidity display
- Automatic Power Off
- automatic backlight
- indicative measurement
- quick response time / battery level indication



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 % RH / -20 ... +60 °C
Resolution	0.1 % RH / 0.1 °C
Accuracy	± 3.5 % RH (20 ... 80 % RH) ± 5 % RH (< 20 / > 80 % RH) ± 1 °C (0 ... +40 °C) ± 2 °C (< 0 / > +40 °C)
Response % RH	approx. 30 s (90 % of final value)
Display	dual LCD, backlight
Auto Power Off	after 30 min (can be deactivated)
Power supply	1 x 9 V battery
Operating conditions	0 ... +50 °C, < 80 % RH
Dimensions	55 x 32 x 10 mm
Weight	135 g

INCLUDES

Pocket thermohygrometer, battery, instruction manual

ITEM NO. ITEM

K-PCE-MHT 1 pocket thermohygrometer

OPTIONAL ACCESSORIES

K-CAL-SET-RF calibration set 33% / 75% RH

PCE-HT 71N

Thermohygrometer USB

- 32 K memory / USB interface
- software / dew point calculator
- adjustable alarms, real-time clock with date
- adjustable saving rate (2 s ... 24 h)
- long-life lithium battery
- LED status display (including alarm)



TOP
seller

TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 % RH / -40 ... +70 °C
Resolution	0.1 % RH / 0.1 °C
Accuracy	± 3 % RH / ± 1 °C
Sensors	internal (humidity and temperature)
Memory	max. 32000 meas. (16000 each)
Saving rate	adjustable, 2 s, 5 s, 10 s ... 24 h
Start, stop, date	adjustable (incl. alarm)
Display	2 LEDs (rec. / alarm)
Interface	USB
Dew point	calculated (accuracy ± 2 °C)
Power supply	3.6 V lithium battery
Operating cond.	-40 ... +70 °C / 0 ... 100 % RH
Dimens. / Weight	102 x 30 mm / 25 g

INCLUDES

USB thermohygrometer, wall mount, battery, software, instruction manual

ITEM NO. ITEM

K-PCE-HT 71N USB thermohygrometer



PCE-555

Pocket Thermohygrometer

- displays relative humidity and temperature at the same time
- calculates dew point and wet bulb
- PEAK HOLD function
- MIN and MAX record functions
- high accuracy



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 % RH / -30 ... +100 °C
Resolution	0.01 % RH / 0.01 °C
Accuracy	± 2.0 % RH at 25°C ± 0.5 °C at 25°C
Response time	approx. 10 sec. (90 % at 25 °C)
Functions	MIN- / MAX- / PEAK HOLD
Power supply	1 x 9 V battery
Display	dual LCD, 4.5 digits
Operating cond.	0 ... 40 °C / < 80 % RH
Dimensions	228 x 55 x 33 mm
Weight	195 g

INCLUDES

Thermohygrometer, carrying case, battery, instruction manual

ITEM NO. ITEM

K-PCE-555 thermohygrometer

OPTIONAL ACCESSORIES

K-CAL-PCE-HT110 ISO calibration certificate
K-CAL-SET-RF calibration set 33% / 75% RH

PCE-TH 5

Hygrometer with Dew point / Wet Bulb

- temperature / humidity determination by internal sensors
- calculates dew point, wet bulb temperature, heat index values and WBGT (heat stress index)
- functions: HOLD, MIN / MAX and MEAN values
- alarm limit for heat index / WBGT
- operated by lithium battery / battery saving function



TECHNICAL SPECIFICATIONS

Temp. meas. range	-20 ... +50 °C
Resolution	0.1 °C
Accuracy	± 0.6 °C
Ambient hum. m. r.	0 ... 99.9 % RH
Resolution	0.1 % RH
Accuracy	± 3 % RH at +25 °C / 10 ... 90 %, otherwise ± 5 %
Power supply	3.0 V lithium battery, CR2032
Operating cond.	-20 ... +50 °C, <80 % RH
Dimensions	135 x 18 x 36.3 mm

INCLUDES

Thermohygrometer, battery, case, instruction manual

ITEM NO.	ITEM
K-PCE-TH 5	thermohygrometer

OPTIONAL ACCESSORIES

K-CAL-PCE-HT110	ISO calibration certificate
K-CAL-SET-RF	calibration set 33% / 75% RH

PCE-310

Psychrometer (Dew Point / ΔT)

- ambient humidity / temperature by internal sensor
- temperature sensor for walls and materials
- dual display for temperature and humidity
- dew point / wet bulb temperature
- differential temperature T1 - T2
- MIN / MAX / HOLD
- 60 seconds response time



TECHNICAL SPECIFICATIONS

Measurement range	Temperature	Relative hum.
(internal sensor)	-20 ... +50 °C	0...100 % RH
Wet bulb	-21.6 ... +50 °C	
Dew point	-78.7 ... +50 °C	
Temp. (ext. sensor)	-20 ... +70 °C	
Resolution	Temperature	Relative hum.
	0.1 °C	0.1 %
Accuracy	Temperature	Relative hum.
	±1 °C	± 3 %
Power supply	2 x 1.5 V AAA batteries	
Operating cond.	-20 ... +50 °C / 0 ... 100 % RH	
Dimensions / weight	25 x 50 x 180 mm / 130 g	

INCLUDES

Psychrometer, external sensor with 1.1 m cable, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-310	psychrometer

OPTIONAL ACCESSORIES

K-PCE-310-TF	replacement temperature sensor
K-CAL-PCE-HT110	ISO calibration certificate
K-CAL-SET-RF	calibration set 33% / 75% RH

PCE-320

Psychrometer with IR Thermometer

- humidity / temperature of walls or products by internal, external or infrared sensor
- LCD dual display for temperature and humidity
- dew point and wet bulb
- HOLD, MIN, MAX
- 4 seconds response time



TECHNICAL SPECIFICATIONS

Meas. range	Temperature	Relative humidity
(internal sensor)	-20 ... +60 °C	10 ... 90 % RH
Wet bulb	-21.6 ... +60 °C	
Dew point	-68 ... +60 °C	
Temp. (ext. / IR)	-20 ... +750 °C	-50 ... +500 °C
Resolution	Temperature	Relative humidity
	0.1 °C	0.1 %
Accuracy	Temperature	Relative humidity
	± 1.0 °C	± 3.0 %
Temp. (ext. / IR)	± 1.0 % ± 1.0 °C	± 2.0 % / ± 2.0 °C
Power supply	1 x 9 V battery	
Dimen. / weight	257 x 76 x 53 mm / 355 g	

INCLUDES

Psychrometer, external wire sensor, (max.+220 °C), software, PC cable, battery, instruction manual

ITEM NO.	ITEM
K-PCE-320	psychrometer

OPTIONAL ACCESSORIES

K-CAL-SET-RF	calibration set 33 % / 75 % RH
K-CAL-PCE-320	ISO certificate (RH / IR)



For other sensors see page 11

Klimagriff®

Klimagriff® Window Mould Protector

- 3 LEDs indicate: close window, heat / open window
- acoustic signal (can be deactivated)
- determines ambient temperature at the window (or coldest corner of the room), hum. / window position
- all data saved for 2 years and available to download via mini USB port
- softw. gives ventilation / heating recommendations



KLIMA
GRIFF


TECHNICAL SPECIFICATIONS

Meas. range	-5 ... +50 °C
Accuracy	± 0.3 °C temperature ± 5 % RH ± 5 ° window position
Electronics	ring memory / real time clock ±15 minutes per year / RoHS compliant
Connection	mini USB interface / touch keys for menu navigation
Display	LCD
Power supply	2 x 1.5 V AA battery; 2 year life
Hole spacing	43 mm for window fittings (DIN 18267:2005-01)

INCLUDES

Mould protector, batteries, screws, square extension according to DIN 18267:2005-01, instruction manual

ITEM NO.	ITEM
Klimagriff	mould protector

-  The handle is not included in the delivery. The original handle of the window can be used.

BL Compact TF2

Rel. Humidity / Abs. Moisture Meter

- calculates dew point temperature
- automatically calculates wood moisture balance
- USB interface for data transmission
- memory for last 5 values
- MIN, MAX and HOLD functions
- 3-line LC display



GANN

TECHNICAL SPECIFICATIONS

	Measurement range / resolution
Temperature	-20 °C ... +80 °C / 1 °C
Humidity	0 % ... 100 % / 0.1 %
Accuracy	Temp. ± 0.3 °C (-10 °C ... +60 °C) Humidity ± 2 % RH
Display	3-line LCD
Response time	<2 seconds
Storage conditions	0 ... +50 °C (short t. -10 ... +60 °C)
Applicable types	6LR61 type and / or 6F22 type
Power supply	9 V battery
Dimensions	180 x 50 x 30 mm
Weight	310 g

INCLUDES

Humidity / moisture meter, battery, plastic box, instruction manual

ITEM NO.	ITEM
K-BL Compact TF2	humidity / moisture meter



PCE-PMI 1

Material Moisture Meter

- non-destructive measurement of surface
- penetration depth 20 ... 40 mm
- LC display with backlight
- measures on the basis of electrical resistance of material
- Automatic Power Off function



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TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 digits
Resolution	1 digit
Penetration depth	20 ... 40 mm
Meas. method	capacitive (electrical resistance)
Measurement	non-destructive
Display	LCD
Functions	MIN, MAX, HOLD, Auto Power Off (batt. saving, can be deactivated)
Electrode	metallic spheroid
Power supply	9 V battery
Dimensions	180 x 45 x 35 mm
Weight	180 g

INCLUDES

Material moisture meter, bag, battery, instruction manual

ITEM NO.	ITEM
K-PCE-PMI 1	material moisture meter



UX100 Series

USB Data Logger with Large Display

- internal memory for 84650 measured values
- USB interface
- adjustable alarm limit
- one year battery life
- protection class IP50



TECH

TECHNICAL SPECIFICATIONS

Parameters	Temperature	Humidity (UX100-011 only)
Meas. range	-20 .. +70 °C	0 .. 95 % RH
Resolution	0.024 °C	0.05 % RH
Accuracy	±0.21 °C	±2.5 %
Response time	8 min	11 s
Drift (per year)	<0.1 °C	<1 %
Memory	84650 readings	
Sampling rate	1 s ... 18 h	
Interface	USB	
Power supply	3 V lithium battery (batt. life 1 year)	
Oper. cond.	-20...+70 °C / 15...95 % RH	
Dimens. / weight	approx. 37 x 85 x 23mm/approx 30g	

INCLUDES

USB logger UX100-001 (temperature) or UX100-011 (temperature and humidity), battery, instruction manual

ITEM NO.	ITEM
K-UX100-001	temperature logger
K-UX100-011	temperature / RH logger

OPTIONAL ACCESSORIES

BHW-PRO-CD	HoboWare software + cable
K-CAL-PCE-HT110	ISO calibration certificate

PCE-HT110

2-Channel Temp. and RH Logger

- internal data memory via 2 GB SD card (max. 16 GB SD card possible)
- data are saved directly to the SD card in Excel format
- adjustable real time clock with date
- large LC display / adjustable sampling rate



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TECHNICAL SPECIFICATIONS

Meas. range	0 ... +50 °C / 10 ... 90 % RH
Resolution	0.1 °C / 0.1 % RH
Accuracy	±0.8 °C / ±4 % RH
Sampling rate	5 s, 30 s, 1 min, 2 min, 5 min, 10 min or auto. when change of ±1 °C or ±1 % RH occurs
Functions	START, STOP, adjustable date
Memory	depending on memory card, 2 GB card included
Power supply	6 x 1.5 V (AAA) batteries / 9 V network adaptor (optional)
Operating cond.	0 ... +50 °C, 0 ... 90 % RH
Dimens. / weight	132 x 80 x 32 mm / 282 g

INCLUDES

Data logger, 2 GB SD card, card reader, batteries, wall mount, instruction manual

ITEM NO.	ITEM
K-PCE-HT110	data logger

OPTIONAL ACCESSORIES

K-NET-LUT	mains adaptor
K-CAL-PCE-HT110	calibration certificate

PCE-THB 40

3 Channels / Temp., RH, B. Pressure

- measures and records temperature, humidity and barometric pressure
- internal memory memory via 2 GB SD card (max. 16 GB)
- selectable pressure units: hPa, mmHg and inHg
- large LC display / adjustable sampling rate



PCE

TECHNICAL SPECIFICATIONS

Measurement range	
- Barom. pressure	10 ... 1100 hPa (mbar)
- Temperature	0 ... +50 °C
- Relative humidity	10 ... 90 % RH
Resolution	
- Barom. pressure	0.1 hPa at 1000 hPa, otherw. 1hPa
- Temperature	0.1 °C
- Relative humidity	0.1 % RH
Accuracy	
- Barom. pressure	±2hPa at <1000hPa, otherw. ±3hPa
- Temperature	±0.8 °C
- Relative humidity	±4 % of meas. value ±1 % RH
All other characteristics are the same as PCE-HT 110	

INCLUDES

Data logger, 2 GB SD card, card reader, batteries, wall mount, instruction manual

ITEM NO.	ITEM
K-PCE-THB 40	data logger

OPTIONAL ACCESSORIES

K-NET-LUT	mains adaptor
K-CAL-PCE-THB	calibration certificate

CDL 210

CO₂ & Climate Data Logger

- measures and displays temperature and air humidity
- acoustic signal when pre-set CO₂ value is exceeded
- simultaneous indication of CO₂, temp. and humidity
- memory: 5300 series of measurem. / USB interface
- wide measurement range of CO₂ up to 2000 ppm



WÖHLER

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TECHNICAL SPECIFICATIONS

Meas. range CO ₂	0 ... 2000 ppm / NDIR procedure
Accuracy / Resol.	50 ppm ± 5% / 1 ppm (0 ... 100 ppm)
Temperature	-10 ... +60 °C
Accuracy / Resol.	±0.6 °C / 0.1 °C
Air humidity	5 ... 95 %
Accuracy / Resol.	±3 % / 0.1 %
Display	all parameters simultaneously
Memory	5300 series of measurem., up to 16000 values; sampling rates 3 / 10 / 30 s / 1 / 3 / 10 / 30 min.; 1 / 3 / 4 h
Power supply	mains adaptor AC 5V / 0.5 A
Dimensions	120 x 100 x 110 mm

INCLUDES

Data logger CO₂, mains adaptor, data cable, PC software, instruction manual

ITEM NO.	ITEM
K-CDL 210	CO ₂ data logger

Note:

Manual calibration should be done on a clear day outside, e.g. on an exterior window sill where the level of CO₂ is approximately 400 ppm.

PCE-WL 1 / 2

Data Logger for Wind Velocity and Wind Direction

- plastic case IP 60 / sensor IP 54
- internal temperature sensor / internal real-time clock
- data saved on SD card as CSV file
- saves mean and maximum values
- battery life 1 year / RS-232 interface

PCE-WL 1



PCE

PCE-WL 2



TECHNICAL SPECIFICATIONS

PCE-WL 1 sensor	
Meas. range	0.8 ... 40 m/s
Accuracy	±0.5 m/s or ±5 % of reading
Limit	max. 60 m/s
Contact limit	10 VA, max. 42 VDC max. 0.4 A
Heater	max. 24 V DC, max. 1 A
Output	0 ... 100 Hz
Mounting	by means of mounting bracket
Protection class	IP 54
Dimens. / weight	Ø 134 x 160 mm / 300 g
PCE-WL 2 sensor - wind velocity	
Meas. range	1 ... 40 m/s
Sensor	1 dry reed contact / 2 magnets
Output	potential-free pulses
Resolution	typ. 2.3 Hz/ms ¹
Contact limit	max. 10 VA; 0.5 A; 42 VDC
Wind direction	
Meas. range	5° ... 355°
Sensor	potentiometer
Output	0 ... 1 KΩ, 5° open in the North
Temperature	
Operating cond.	-25 ... +60 °C (free of ice)
Connection	15 m cable LiYCY 6 x 0.25 mm ²
Dimensions	height: 418 mm / case: Ø 50 mm

Weight	1 kg
Pole mount	Ø 31 mm, depth: 26 mm
Protection class	IP 54
Wind logger	
Memory	SD/MMC card, 2 GB
Sampling rate	10 s, 1 min or 10 min
Inputs	1 x analogue, / 2 x digital
Interface	RS-232
Protection class	IP 65
Power supply	2 x 1.5 V C-type batteries
Operating conditions	-15 ... +50 °C
Dimensions / weight	160 x 80 x 55 mm / 450 g

INCLUDES

Wind logger, wind sensor (depending on model), SD memory card, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-WL 1	logger velocity
K-PCE-WL 2	logger velocity + direction

OPTIONAL ACCESSORIES

K-PCE-WLD	display (models up to 2012)
K-PCE-WLD 06.12	display (models from 2012)
K-CAL-AM	calibration certificate

Environmental Tester

PCE-P01 & PCE-P05

Diff. Pressure Gauge for Air and Gases / USB and Softw.

- differential and static pressure gauge with selection of 11 units: mbar, bar, psi, kPa, ...
- USB interface / software with USB cable included
- zero adjustment possible at any time / MIN, MAX, PEAK-HOLD
- repeatability $\pm 0.2\%$ / response time 5 s



PCE-P15, PCE-P30 & PCE-P50

Diff. Pressure Gauge for Air and Gases with RS-232

- 9 units to choose / positive, negative or differential pressure on digital display
- 2 connectors $\varnothing 4$ mm
- last measurement, Min / Max memory (MIN, MAX, PEAK-HOLD functions)
- LC display with backlight
- sampling rate 0.3 ms



TECHNICAL SPECIFICATIONS

Unit		PCE-P01	PCE-P05
PSI	Range / resolution	0 ... $\pm 2 / 0.001$	0 ... $\pm 5 / 0.002$
mbar	Range / resolution	0 ... $\pm 140 / 0.1$	0 ... $\pm 350 / 0.2$
InH ₂ O	Range / resolution	0 ... $\pm 55 / 0.01$	0 ... $\pm 140 / 0.1$
InHg	Range / resolution	0 ... $\pm 4 / 0.001$	0 ... $\pm 10 / 0.002$
mmHg	Range / resolution	0 ... $\pm 103 / 0.1$	0 ... $\pm 260 / 0.2$
kPa	Range / resolution	0 ... $\pm 14 / 0.01$	0 ... $\pm 35 / 0.02$
cmH ₂ O	Range / resolution	0 ... $\pm 140 / 0.1$	0 ... $\pm 350 / 0.2$
kg/cm ²	Range / resolution	0 ... $\pm 0.14 / 0.001$	0 ... $\pm 2.1 / 0.002$
Accuracy		$\pm 0.3\%$ (whole range, at +25 °C)	
Power supply		1 x 9 V battery PP3	
Dim. / Weight		210 x 75 x 50 mm / 650 g	

INCLUDES

Differential pressure gauge (one of the models), 30 cm silicone tube, software, USB cable, battery, mains adaptor, instruction manual

ITEM NO. ITEM

K-PCE-P01	pressure gauge up to 140 mbar
K-PCE-P05	pressure gauge up to 350 mbar

OPTIONAL ACCESSORIES

K-CAL-PM	ISO Calibration certificate
K-SS-AZ	PVC tube, 2m (inside diameter 3.5 mm)

TECHNICAL SPECIFICATIONS

Unit		PCE-P15	PCE-P30	PCE-P50
PSI	Range / resol.	0 ... $\pm 15 / 0.01$	0 ... $\pm 30 / 0.02$	0 ... $\pm 100 / 0.1$
mbar	Range / resol.	0 ... $\pm 1.000 / 1$	0 ... $\pm 2000 / 2$	0 ... $\pm 6900 / 4$
InH ₂ O	Range / resol.	0 ... $\pm 415 / 0.3$	0 ... $\pm 830 / 0.5$	0 ... $\pm 2750 / 2$
InHg	Range / resol.	0 ... $\pm 30.5 / 0.05$	0 ... $\pm 61 / 0.01$	0 ... $\pm 200 / 0.1$
mmHg	Range / resol.	0 ... $\pm 750 / 0.5$	0 ... $\pm 1500 / 1$	0 ... $\pm 5200 / 3$
kPa	Range / resol.	0 ... $\pm 100 / 0.1$	0 ... $\pm 200 / 0.2$	0 ... $\pm 690 / 0.4$
cmH ₂ O	Range / resol.	0 ... $\pm 1,050 / 1$	0 ... $\pm 2,100 / 2$	0 ... $\pm 7000 / 4$
Kg/cm ²	Range / resol.	0 ... $\pm 1.05 / 0.001$	0 ... $\pm 2.1 / 0.002$	0 ... $\pm 7.0 / 0.004$
Accuracy		$\pm 0.3\%$ (with repeatability 0.2 % (max. $\pm 0.5\%$ of value))		
Power supply		1 x 9 V battery PP3		
Dim. / Weight		182 x 72 x 30 / 150 g		

INCLUDES

Differential pressure gauge (one of the models), case, battery, instruction manual

ITEM NO. ITEM

K-PCE-P15	pressure gauge up to 1.00 bar
K-PCE-P30	pressure gauge up to 2.00 bar
K-PCE-P50	pressure gauge up to 6.90 bar

OPTIONAL ACCESSORIES

K-SOFTP-AZ	software and data cable
K-CAL-PM	ISO calibration certificate
K-SS-AZ	PVC tube, 2m (inside diameter 3.5 mm)

PCE-MLM 1

Pocket Lux Meter (up to 40 klx)

- MAX, MIN and HOLD functions
- long-life silicon diode
- automatic display backlight
- pocket size / LC display
- selectable units: lx & fc



TECHNICAL SPECIFICATIONS

Measurement range	0.00 ... 40000 lx
Resolution	1 lx
Accuracy	±5 % <10000 lx ±10 % >10000 lx
Overload indication	OL = overload
Sampling rate	1.5 times per second
Display	3.5 digits (selectable lx or fc)
Power supply	9 V block battery
Operating conditions	0 ... +40 °C / 0 ... 80 % RH
Dimensions	157 x 54 x 34 mm
Weight	170 g

INCLUDES

Pocket lux meter, 9 V battery, instruction manual

ITEM NO.	ITEM
K-PCE-MLM 1	lux meter



PCE-170

Lux Meter (Int. Sensor up to 40 klx)

- lux meter for accurate measurement of light in the work place
- large 5-digit LC display
- Automatic Power Off function after 30 min.
- Data Hold function
- quick response time



TECHNICAL SPECIFICATIONS

Measur. range	0 ... 40000 lx
Resolution	0.01 lx
Accuracy	±3 % of reading ±5 digits
Display refresh	approx. 2 x/s
Sensor	silicon photo diode
Function	Hold function
Overload indication	OL = overload
Display	3 3/4-digit LCD
Power supply	9V block battery
Operating conditions	0 ... +40 °C, <80 % RH
Dimensions	196 x 54 x 33 mm
Weight	280 g

INCLUDES

Lux meter with internal sensor, bag, battery, instruction manual

ITEM NO.	ITEM
K-PCE-170	lux meter

OPTIONAL ACCESSORIES

K-CAL-LUX	ISO calibration certificate
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PCE-172

Lux Meter (Ext. Sensor up to 400 klx)

- LC display with bar graph with 41 divisions
- cosine correction / overload indicator
- MAX, MIN and HOLD functions
- safety norms IEC- 1010- 1; EN 61010- 1 EMV: EN 50081- 1; EN 50082- 1 corresponding to DIN 5031; DIN 5032



TECHNICAL SPECIFICATIONS

Measurement range	0 ... 40.00 / 400.0 / 4000 lx 0 ... 40000 / 400000 lx
Resolution	0.01 / 0.1 / 1 / 10 / 100 lx
Accuracy	±5 % of reading ±10 digits
Display refresh	approx. 1.5 x/s
Sensor	silicon photo diode
Display	3 3/4-digit LCD
Power supply	9V block battery
Operating conditions	0 ... +40 °C, <80 % RH
Dimensions	sensor: 115 x 60 x 50 mm device: 203 x 75 x 50 mm
Weight	280 g

INCLUDES

Lux meter, sensor with cable, carrying case, battery, instruction manual

ITEM NO.	ITEM
K-PCE-172	lux meter (standard)

OPTIONAL ACCESSORIES

K-CAL-LUX	ISO calibration certificate
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PCE-174

Lux Meter / Data Logger with Ext, Sensor up to 400 klx, Memory & Software

- safety norms: IEC 1010- 1; EN 61010- 1 EMV: EN 50081- 1; EN 50082- 1 corresp. to DIN 5031; DIN 5032
- internal memory for 16000 rvalues / smpling rate adjustable from 2 s ... 9 h
- cosine-corrected lens (according to C.I.E.)
- MAX-, MIN-HOLD functions



TOP
seller

TECHNICAL SPECIFICATIONS

Meas. range	400 / 4000 lux / 40 / 400 klx 40 / 400 / 4000 fc / 40 kfc
Resolution	0.1 / 1 / 10 / 100 lx 0.01 / 0.1 / 1 / 10 fc
Accuracy	±5 % of reading ±10 dgt. (<10000 lx) ±10 % of reading ±10 dgt. (>10000 lx)
Display	3 3/4-digit LCD
Memory	16000 values
Interface	USB
Sampling rate	2 s ... 9 h
Power supply	9V block battery
Op. conditions	0 ... +40 °C, <80 % RH
Norms	safety: IEC- 1010- 1; EN 61010- 1 EMC: EN 50081- 1; EN 50082- 1 corresp. to DIN 5031 ; DIN 5032
Dimensions	sensor: 115 x 60 x 50 mm device: 203 x 75 x 50 mm cable length: 1500 mm
Weight	280 g

INCLUDES

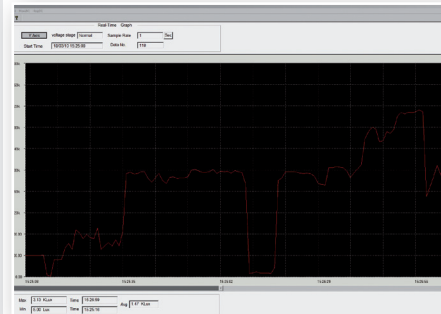
Lux meter, sensor with 1.5 m cable, software, USB cable, carrying case, 9V battery, instruction manual

ITEM NO.

K-PCE-174 lux meter with datalogger

OPTIONAL ACCESSORIES

K-CAL-LUX ISO calibration certificate



DT-3809

LED Lux Meter

- complies with norms JISC 1609:1993 & CNS 5119 class A
- measures the lux of white LEDs, fluorescent lamps, halogen lamps, high-pressure sodium vapour lamps and light bulbs
- cosine correction



CEM

TECHNICAL SPECIFICATIONS

Measurement range	40 ... 400 lx
Light sources	Tungsten / daylight, fluorescent, adjustable on 9 levels
Spectral response	~ CIE
Accuracy	±3 %
Sensor cable	1.5 m
Memory	99 measurement values (internal)
Functions	HOLD, ZERO RESET
Display	units: lux, foot-candle
Power supply	9V battery
Dimensions	160 x 58 x 27 mm
Weight	280 g

INCLUDES

LED lux meter, sensor with cable, batteries, instruction manual

ITEM NO.

K-DT-3809

ITEM

lux meter



CDL 210

CO₂ & Climate Data Logger

- measures and displays temperature and air humidity
- acoustic signal when pre-set CO₂ value is exceeded
- simultaneous indication of CO₂, temperature and humidity
- memory: 5300 series of measurements / USB interface
- wide CO₂ measurement range of up to 2000 ppm



**TOP
seller**

TECHNICAL SPECIFICATIONS

Meas. range CO ₂	0 ... 2000 ppm / NDIR principle
Accuracy / resol.	50 ppm ±5 % / 1 ppm (0 ... 100 ppm)
Temperature	-10 ... +60 °C
Accuracy / resol.	±0.6 °C / 0.1 °C
Air humidity	5 ... 95 %
Accuracy / resol.	±3 % / 0.1 %
Display	shows all parameters at once
Memory	5300 series of measurement values
Log data / rate	up to 16000; 3 / 10 / 30 s 1 / 3 / 10 / 30 min.; 1 / 3 / 4 h
Power supply	5V ac mains adaptor / 0.5 A
Dimensions	120 x 100 x 110 mm

INCLUDES

Data logger CO₂ and climate, mains adaptor, data cable, PC software, instruction manual

ITEM NO.	ITEM
K-CDL 210	CO ₂ data logger

Note:

Manual calibration should be done on a clear day outside, e.g. on an exterior window sill where the level of CO₂ is approximately 400 ppm.

RLA 100

Gas Detection System to Detect Carbon Dioxide (CO₂)

- detects carbon dioxide (CO₂)
- 2 adjustable alarm limits
- 4-digit digital display
- continuous visual surveillance possible
- potential-free change-over contact
- integrated alarm transmitter
- can easily be mounted to a wall
- three system components



WITT



TECHNICAL SPECIFICATIONS

Gas detector	
Sample gas	carbon dioxide (CO ₂): 0 ... 50000 ppm (5 %) (vol.), NDIR sensor
Gas entry	by diffusion
Alm. contacts	1 potential-free change-over contact to control external devices (NO/NC) for alarm 1; switching capacity: 30 V dc / 250 V ac, max. 2 A
Alam limits	alarm 1: 0.5 / 1 / 1.5 / 2 % alarm 2: 1.5 / 2 / 2.5 / 3 / 3.5 / 4 %
Menu items	supervision of device connection, calibration, unit switching, alarm 1, 2 and factory settings
Display	4-digit display for concent. in range ppm; 3 digit display for concent. in range %; LEDs for operation, Alarm 1, 2 y monitoring of voltage supply
Safety	Continuous self-surveillance, sensor lifetime, unplausible measurement values, EEPROM system, internal data transfer
Power supply	Adaptor 100 ... 240V AC, 50/60 Hz
Case	Plastic, IP 54, splash resistant
Op. conditions	0 ... +45 °C
Dimensions	168 x 125 x 47 mm (without connections)

Control unit

Power supply	via data cable connected to gas detector
Op. conditions	0 ... +45 °C
Menu items	Control connection between the PC measuring the gas and the gas alerter Change from °C to °F
Display	4-digit indication for content in ppm; 3-digit indication for content in %; additional indication for temperature; LEDs for operation, alarm 1 and 2 and monitoring of voltage supply
Case	aluminium, IP 54, splash proof
Dimensions	118 x 85 x 34 mm (without connections)

INCLUDES

Gas detection system, instruction manual

ITEM NO.	ITEM
K-RLA 100	gas detection system

OPTIONAL ACCESSORIES

K-CAL-RLA	ISO calibration certificate
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PCE-EM 886

Multimeter (5 in 1)

- measures sound, light, external temperature (via K-type thermocouple), ambient temperature and humidity
- 3 4/5- digit LC display with backlight
- optional infrared temperature adaptor for non-contacting temperature measurement
- integrated auto-ranging multimeter



PCE-222

4-in-1 Meter with Internal Sensors

- 4-in-1 device that measures light, sound, relative humidity and temperature
- large LC display and function display
- light: up to 40000 lux / temperature: -20 ... +750 °C
- humidity: 35 ... 95 % RH / sound: up to 130 dB
- Automatic Power Off



TECHNICAL SPECIFICATIONS

Sound level meter	
Measurement range	35 ... 100 dB
Resolution	0.1 dB
Accuracy	±5dB (at 94, 1kHz sinusoidal sig.)
Frequency range	30 Hz ... 10 kHz
Frequency weighting	C
Time evaluation	FAST
Microphone	electrical capacitor microphone
Light meter	
Measurement range	4000 / 40000 lux (lux range of 20000 = display x10)
Overload	"OL" (you must select a meas. range which is 1 digit higher)
Accuracy	±5 % of meas. value + 10 digits
Reproducibility	±2 %
Sensor	silicon photodiode with filter
Moisture meter	
Measurement range	33 ... 99 % RH
Resolution	1 %
Accuracy	±3 % of meas. value + 5 % RH
Thermometer	
Measurement range	0 ... +50 °C
Resolution	0.1 °C
Accuracy	±3 % of meas. value ±3 °C

K type thermocouple

Measurement range	-20 ... +400 °C / -20 ... +1,300 °C
Resolution	0.1 °C / 1 °C
Accuracy	±3 % meas. value ±3 °C

General

Display	LCD, 3 4/5 digits
Overload	"OL"
Sampling rate	approx. 3 times per second
Accuracy	±5 °C (at +23 °C / <70 % RH)
Power supply	1 x 9 V battery
Operating cond.	0 ... +40 °C / <70 % RH
Dimensions of meter	170 x 78 x 48 mm
Weight	335 g

INCLUDES

Multimeter, K type temperature sensor, test leads, 9V block battery, instruction manual

ITEM NO. ITEM

K-PCE-EM 886 multimeter

OPTIONAL ACCESSORIES

K-IR-82 infrared temperature adaptor

TECHNICAL SPECIFICATIONS

Light meas. range	0.1 ... 40,000 lux
Resol. / accuracy	0.1 lux; ±5 % +10 dgt.
Temp. meas. range	-20 ... +40 °C (internal)
Resol. / accuracy	0.1 °C; ±3 % +3 dgt.
Temp. meas. range	-20 ... +750 °C (external)
Resol. / accuracy	1 °C; ±3 % +1 dgt.
Humidity m. range	35 ... 95 % RH
Resol. / accuracy	0.1 % RH ±5 % RH
Sound meas. range	35 ... 130 dB
Resol. / accuracy	0.5 dB; ±3.5 dB
Power supply	1 x 9V battery
Dimensions / weight	121 x 60 x 40 mm / 280 g

INCLUDES

4-in-1 meter, holster, test leads, K type temp. sensor, software, RS-232 cable, battery, instruction manual

ITEM NO. ITEM

K-PCE-222 4-in-1 multimeter

OPTIONAL ACCESSORIES

K-RS232-USB RS-232 to USB adaptor

PCE-EM882

4-in-1 Meter with External Sensors

- measures sound, relative humidity, light and temperature
- 17 mm LCD, 3 1/2 digits / HOLD function
- Auto Power Off to save battery consumption
- battery level indication
- resilient ABS plastic case



TECHNICAL SPECIFICATIONS

Sound r./resol./acc.	35 ... 130 dB / 0.1 dB / ± 3.5 dB
Humidity r./res./acc.	25 ... 95 % RH / 0.1 % / ± 5 %
Light r./resol./accur.	20 / 200 / 2000 / 20000 lux ± 5 % + 2 digits
Temp. r./resol./acc.	-20 ... +200 °C / 20 ... +750 °C internal / external 0.1 °C / 1 °C ± 3 % of value ± 2 °C
Display	LCD, 17 mm, 3.5 digits
Operating conditions	0 ... +40 °C
Device dimensions	251 x 64 x 40 mm
Light sensor dimen.	115 x 60 x 27 mm
Weight	250 g

INCLUDES

Multimeter with sound, light, temperature and humidity sensors, wind shield, battery, bag, manual

ITEM NO. ITEM

K-PCE-EM882 4-in-1 multimeter



PCE-MSM 3

Industrial Meter for Starters

- 2 measurement ranges: low & high / analogue outp.
- A and C frequency weighting
- frequency range 31.5 Hz ... 8 kHz
- FAST and SLOW time evaluation
- MAX / MIN HOLD function
- norm IEC 651 type II



TECHNICAL SPECIFICATIONS

Meas. range	30 ... 130 dB (in 4 ranges)
Dynam. range	50 dB
Resolution	0.4 dB
Accuracy	± 1.5 dB (ref. 94 dB, at 1 kHz)
Sampling rate	2 x/s
Frequency	31.5 Hz .. 8 kHz
Weighting	A,C
Display	4-digit LC display
Output	analogue, AC / DC, 3.5 mm jack
Power supply	9 V block battery
Operating conditions	-20 ... +60 °C, <90 % RH
Dimens. / weight	252 x 66 x 33 mm / 265 g

INCLUDES

Sound level meter, headphones, bag, wind shield, batteries, instruction manual

ITEM NO. ITEM

K-PCE-MSM 3 sound level meter

OPTIONAL ACCESSORIES

K-PCE-SC41	sound calibrator (94 dB)
K-CAL-41	ISO calibration cert. for PCE-SC41
K-CAL-SL	ISO calibration certificate

PCE-318

Sound Meter with Analogue Output

- meas. range from 26 dB (A) / memory for 99 values
- analogue output AC & DC / 6 ranges selectable
- frequency weighting A & C
- bar graph / norm IEC 651 type II, EN60651
- FAST & SLOW time evaluation
- MIN / MAX / HOLD functions



TECHNICAL SPECIFICATIONS

Measurement range	26 ... 130 dB in 6 ranges
Resolution	0.1 dB
Accuracy	± 1.5 dB (ref. 94 dB, at 1 kHz)
Frequency	31.5 Hz ... 8 kHz
Memory	99 readings (by keystroke)
Output	analogue AC & DC
Display	4-digit LCD, with bar graph
Norm	IEC 651 type II (class II)
Power supply	9 V battery
Operating conditions	-10 ... +50 °C, <90 % RH
Dimensions	264 x 68 x 27 mm
Weight	260 g

INCLUDES

Sound level meter, bag, wind shield, jack plug, calibration screwdriver, battery, case, instruction manual

ITEM NO. ITEM

K-PCE-318 sound level meter

OPTIONAL ACCESSORIES

K-PCE-SC41	sound calibrator (94 dB)
K-CAL-41	ISO calibration cert. for PCE-SC41
K-STAT	tripod
K-MIC-10-318	5m microphone extension cable

PCE-322A

Sound Meter for Long-Term Meas. with Memory & Softw.

- USB interface / real-time monitoring via PC
- MIN / MAX function; display with bar graph
- pulses, FAST & SLOW time evaluation
- indication when values are exceeded or fallen below
- frequency weighting A & C
- norm IEC61672-1 class 2



TECHNICAL SPECIFICATIONS

Measurement range	low	30 ... 80 dB	medium	50 ... 100 dB
	high	80 ... 130 dB	auto	30 ... 130 dB
Resolution	0.1 dB			
Accuracy	±1.4 dB			
Frequency range	31.5 Hz ... 8 kHz			
Dynamic range	50 dB			
Time evaluation	FAST 125 ms, SLOW 1 s			
Weighting / sampling rate	A & C / 2 per s			
Display / memory	LCD with bar graph / 262000 readings			
Power supply	9V battery			
Operating conditions	-20 ... +60 °C / 10 ... 90 % RH			
Dimensions / weight	252 x 66 x 33 mm / 262 g			

INCLUDES

Sound level meter, wind shield, software, USB cable, battery, mini tripod, mains adaptor, calibration screwdriver, plastic case, instruction manual

ITEM NO.	ITEM
K-PCE-322A	sound level meter

OPTIONAL ACCESSORIES

K-PCE-SC41	sound calibrator (94 dB)
K-CAL-41	ISO calibration certificate for PCE-SC41
K-MIC-10-322	microphone extension cable
K-STAT	tripod

PCE-353

Sound Meter with LEQ Function / Analogue Output

- LEQ meas. mode for energy-equivalent sound level (type A)
- adjustable limit functions
- RS-232 interface for transferring data to a PC
- CE certification meets machinery directives 89/393/EWG, IEC60804, EN60651; IEC 651 type II



TECHNICAL SPECIFICATIONS

Measurement range	30 ... 130 dB (A, LEQ) / 35 ... 130 dB (C, F) / 0 ... 100 % (LN)
Resolution	0.1 dB
Accuracy	±1.5 dB
Frequency	31.5 Hz ... 8 kHz
Output	digital (RS-232) and analogue
Weighting	LP (A, C, F) / LEQ (automatic) / LN
Functions	MIN / MAX / HOLD / battery level indicator
Memory	internal memory for 30 readings
Display	LCD
Power supply	4 x batteries 1.5 V; AAA
Operating conditions	0 ... +40 °C, <80 % RH
Dimensions / weight	257 x 72 x 21 mm / 310 g

INCLUDES

Sound level meter, case, battery, calibration screwdriver, instruction manual

ITEM NO.	ITEM
K-PCE-353	sound level meter with LEQ function

OPTIONAL ACCESSORIES

K-PCE-SC41	sound calibrator (94 dB)
K-CAL-41	ISO calibration certificate for PCE-SC41
K-CAL-SL	ISO calibration certificate
K-SOFT-PCE-353	software + data cable
K-NET-LUT	mains adaptor (300 mA)

PCE-A420

Cup Anemometer

- 100-point data logger, key operation
- protection class IP 65
- wind direction not important for measurement
- units: m/s, km/h, ft/min, knots and miles/h
- LC display 28 x 19 mm
- Auto-Power Off / MIN, MAX and HOLD functions



TECHNICAL SPECIFICATIONS

(m/s)	0.9 ... 35.0
(ft/min)	144 ... 6895
(km/h)	2.5 ... 126.0
(mph)	1.6 ... 78.2
(knots)	1.4 ... 68.0
Resolution	0.1 m/s; 0.1 km/h; 0.1 knots 0.1 mph; 1 ft/min
Accuracy	±2 %
Memory	100 values
Cups	Ø 135 mm, plastic
Power supply	4 x 1.5 V AAA batteries
Operating conditions	0 ... +50 °C, <80 % RH
Dimensions / weight	190 x 40 x 32 mm / 180 g

INCLUDES

Cup anemometer, batteries, case, instruction manual

ITEM NO.	ITEM
K-PCE-A420	cup anemometer

OPTIONAL ACCESSORIES

K-CAL-AM	ISO calibration certificate
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PCE-AM81

Pocket Anemometer

- MIN, MAX, HOLD function
- different units selectable: m/s, km/h, knots, miles/h, ft/min
- vane runs smoothly / LCD height 8 mm
- comes with hand strap and manual



TECHNICAL SPECIFICATIONS

(m/s)	0.4 ... 30.0
(ft/min)	80 ... 5910
(km/h)	1.4 ... 108.0
(mph)	0.9 ... 67.0
(knots)	0.8 ... 58.3
Resolution	0.1 m/s; 0.1 km/h; 0.1 knots 0.1 mph; 1 ft/min
Accuracy	±3 %
Display	LC display, height 8 mm
Propeller	plastic vane
Power supply	1 x 9 V block battery
Operating conditions	0 ... +50 °C
Dimensions / weight	156 x 60 x 33 mm / 160 g

INCLUDES

Vane anemometer, hand strap, battery, manual

ITEM NO.	ITEM
K-PCE-AM81	vane anemometer

OPTIONAL ACCESSORIES

K-CAL-AM	ISO calibration certificate
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PCE-AM 82

Pocket Wind Velocity Meter

- vane runs very smoothly
- compact design / MAX, MIN functions
- m/s, km/h, Beaufort, miles/h, ft/min
- HOLD function to freeze reading
- including hand strap, carrying case and manual



TECHNICAL SPECIFICATIONS

Meas. ranges	0.4 ... 20.0 m/s -10 ... +50 °C 0 ... 100 % RH
Resolution	0.1 m/s 0.1 °C 0.1 % RH
Accuracy	±2 % of reading ± 0.3 m/s
Display	LC display
Range excess	display indicates " - - - "
Case	ABS plastic
Power supply	3 x 1.5 V AAA batteries
Operating conditions	-10 ... 50 °C / 0 ... 80 % RH
Dimensions / weight	160 x 60 x 35 mm / 150 g

INCLUDES

Pocket wind velocity meter (incl. vane sensor), hand strap, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-AM 82	pocket wind velocity meter



PCE-TA 30

Vane Anemometer with Flexible Probe

- measures wind velocity, temperature and volume flow
- flexible 400 mm probe / selectable units
- LCD indicates wind velocity and temperature at the same time
- MAX and MIN value indication / DATA HOLD function



TECHNICAL SPECIFICATIONS

Wind velocity	1.0 ... 30 m/s
Temperature	-10.0 ... +60.0 °C
Volume flow	0.0 ... 999900 ft ³ /min (calculated on the basis of velocity and surface after entering the cross section)
Resolution	0.01 m/s; 0.1 °C; 0.1 ft ³ /min
Accuracy	±3 % ±0.2 of reading ±1.5 °C
Ø vane	27.2 mm
Display	LC display
Propeller	plastic
Power supply	1 x 9 V block battery
Operating cond.	probe: 0 ... +50 °C / <80 % RH
Dimens. / weight sensor:	35 x 400 mm / 257 g (total)

INCLUDES

Vane anemometer with flexible probe, battery, storage box, instruction manual

ITEM NO.	ITEM
K-PCE-TA 30	vane anemometer

OPTIONAL ACCESSORIES

K-CAL-AM	ISO calibration certificate
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PCE-007

Vane Anemometer w. External Probe

- calculates and displays volume flow
- memory capacity for 2000 values
- RS-232 interface / incl. software and data cable
- display units: m/s, ft/min, knots, km/h, mph
- dual LCD / MIN, MAX, HOLD function



TECHNICAL SPECIFICATIONS

Wind velocity	0.3 ... 45 m/s
Temperature	0.0 ... +45.0 °C
Volume flow	0.0 ... 999900 m ³ /min (calculated on the basis of velocity and surface after entering the cross section)
Resolution	0.01 m/s; 0.2 °C; 0.001 ... 100 m ³ /min
Accuracy	±3 % ±0.1 of reading ±1 °C
Ø vane	50 mm / plastic
Memory / softw.	2000 values / included, RS-232
Display	4 digits, dual LC display
Power supply	1 x 9 V PP3 battery (typ. 50 h)
Operating cond.	500 mbar ... 2 bar / 0 °C ... +60 °C
Dimens. / weight sensor:	60 x 130 x 25.5 mm / 350 g

INCLUDES

Anemometer with external vane, English software, data cable, battery, instruction manual

ITEM NO.	ITEM
K-PCE-007	vane anemometer

OPTIONAL ACCESSORIES

K-RS232-USB	adaptor RS-232 to USB
K-CAL-AM	ISO calibration certificate

PCE-THA 10

Anemo-Thermo-Hygrometer

- measures wind velocity and calculates air flow rate
- saves up to 20 readings (can be read out in the display)



TECHNICAL SPECIFICATIONS

Temperature	
Meas. range	-15 ... +50 °C
Wind velocity	
Meas. range	0.4 ... 30 m/s, 80 ... 5900 ft/min
Accuracy	±3 %
Units	m/s, ft/min, km/h, knots, cm/s, air flow r.
Meas. range	0 ... 9.999 m ³ /s (air flow rate)
Air humidity	
Meas. range	5.0 ... 95.0 % RH
Accuracy	±3 % RH at +25 °C; otherwise ±5 % RH
Memory	up to 20 sets of data
Power supply	3 x AAA batteries
Dim. / weight	244 x 77 x 43 mm / approx. 200g

INCLUDES

Anemo-thermo-hygrometer, batteries, USB cable, storage box, bag, instruction manual

ITEM NO.	ITEM
K-PCE-THA 10	anemo-thermo-hygrometer



TOP
seller

PCE-VA 10

Anemometer with External Probe (Wind Velocity + Volume Flow)

- LC display with activatable backlight
- Automatic Power off after 15 minutes of inactivity
- different units selectable: m/s; km/h; ft/min.; knots; mph; cmm; cfm
- sampling rate 1/s



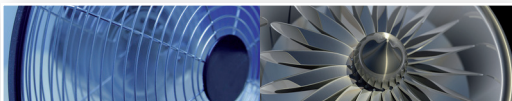
TECHNICAL SPECIFICATIONS

	Measurement range	Accuracy
Wind velocity	0.3 ... 45.0 m/s	3 % ±0.1
Temperature	-30 ... +60 °C	±1.5 °C
Volume flow	calculated after entry of a cross section between 0.001 and 9999 m ² (volume flow in m ³ /min. = cmm)	
Sampling rate	1 / s	
Functions	MIN / MAX / HOLD functions; Automatic Power Off after 15 min MEAN value	
Units	m/s; km/h; ft/min; knots; mph; cmm; cfm	
Display	LC display; with bar graph indication	
Power supply	9 V block battery	
Operating conditions	-10 ... +60 °C / <80 % RH	
Dimensions / weight	185 x 66 x 33 mm / 311 g	

INCLUDES

Hand-held anemometer, vane sensor with coiled cable, 9 V battery, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-VA 10	vane anemometer, up to 45.0 m/s



AVM-3000 & AVM 4000

Pocket Wind / Climate Meter

- exchangeable vane (Ø 25 mm)
- AVM-3000: dew point (DP) / AVM-4000 additionally: DP, wind chill, heat index, altitude above sea level
- waterproof up to a depth of 1 m / IP67; Auto Power Off after 30 min
- humidity recalibration possible with additional set



TECHNICAL SPECIFICATIONS

	AVM-3000	AVM-4000
Model	AVM-3000	AVM-4000
(m/s)	0.3 ... 41; (km/h) 1 ... 144	0.3 ... 41 (km/h) 1 ... 144
(mph)	0.7 ... 89; (knots) 0.6 ... 78	0.7 ... 89; (knots) 0.6 ... 78
(Beaufort)	1 ... 11	1 ... 11
Temperature	-15 ... +50 °C	-29 ... +70 °C
Relative hum.	0 ... 100 % RH	5 ... 95 % RH
Air pressure	---	870 ... 1080 hPa (accur.: ±3 hPa)
Resolution	m/s, km/h: 0.1; temp.: 0.1 °C RH: 0.1 %; air pressure: ---	m/s, km/h: 0.1; temp.: 0.1 °C RH: 0.1 %; air pressure: 1 hPa
Accuracy	wind veloc. ±3%rdg.; temp.: ±1 °C RH ±3 %; DP: ±2 °C	wind veloc. ±3 %rdg.; temp.: ±1 °C; RH ±3 %; DP: ±2 °C
Dimensions	122 x 42 x 14 mm	127 x 45 x 28 mm
Weight	45 g	100 g

INCLUDES

Pocket anemometer (one of the two models), battery, instruction manual

ITEM NO.	ITEM
K-AVM-3000	anemometer AVM-3000
K-AVM-4000	climate meter AVM-4000

OPTIONAL ACCESSORIES

K-CAL-AVM-3/4	humidity calibration set
K-AVM-4000-I	PC interface / software for AVM-4000
K-CAL-AM	ISO calibration certificate wind velocity

PCE-FWS 20

Radio Weather St. with Touchscreen, Solar Cell, 5 Sensors

- interior / exterior temp, interior / exterior humidity, air pressure, absolute or relative air pressure, precipitation, wind velocity, wind direction, wind chill & dew point
- weather forecast, tendency indication and storm warning
- programmable alarm functions for different weather conditions we well as storage of minimum and maximum values of the received weather data
- power supply of the transmitter by means of rechargeable battery and solar cell
- LED backlight / radio clock with 12 or 24 hours indication



TECHNICAL SPECIFICATIONS

Meas. range	wind velocity: 0 ... 180 km/h
Accuracy	wind direction: 0 ... 360 ° temp. in: 0 ... +60 °C, ±0.3 °C / out: -40 ... +65 °C, ±0.2 °C relative humidity: 1 ... 99 % RH, ±3 % RH air pressure: 919 ... 1080 hPa, ±0.25 hPa rain: 0 ... 9999 mm, ±0.3 mm at 5 mm
Calculated values	dew point, wind chill
Radio range	max. 100 m in the open air
Interface	USB
Alarm	adjustable for all parameters (min. and max.)
Display	touchscreen LCD
Power supply	3 x 1.5 V batt. (display) / 2 x rech. batt. and solar cell (transmitter)
Dimensions	230 x 150 mm (display)

INCLUDES

Main station with touchscreen, sensors for temperature, humidity, rain, wind velocity and direction, weather mast, USB cable, software, instruction manual

ITEM NO. ITEM

K-PCE-FWS 20 radio weather station



PCE-WL 1

Data Logger for Wind Velocity with SD Card

- internal temperature sensor and internal real-time clock
- RS-232 interface for configuration
- compact wind sensor with heater
- saves data to SD card as csv file
- saves average and maximum values



TECHNICAL SPECIFICATIONS

Data logger	Wind sensor
Accuracy ±1 % of reading	Output 0 ... 100 Hz at 40 m/s
Memory SD card (max. 2 GB)	Meas. range 0.8 ... 40 m/s
Power supply 2 x 1.5 V batteries type C	Accuracy ± 0.5 m/s or 5 % of rdg.
Operating cond. -15 ... + 50 °C	Load max. 60 m/s short-term
Inputs 1x analogue 2x digital	Contact load 10 VA, 42 V dc, 0.4 A
Interface RS-232	Heater max. 24 V dc / ac; 1 A
File format csv file, ASCII format	Assembly mounting bracket
Sampling rate 10 s / 1 min / 10 min	Operating cond. -25 ... +60 °C (ice free)
Case resilient plastic	Cable 3 m; LiYY 4 x 0.5 mm ²
Protection class IP 54	Protection class IP 65
Dimensions 160 x 80 x 55 mm	Dimensions Ø 134 x 160 mm
Weight 450 g	Weight ca. 300 g

INCLUDES

Data logger, wind sensor, mounting bracket, batteries, 2 GB SD memory card, instruction manual

ITEM NO. ITEM

K-PCE-WL 1 wind data logger

OPTIONAL ACCESSORIES

K-PCE-WLD 06.12 display RS-232
K-PCE-KWG1 small wind transmitter with pulse output
K-PCE-KWR1 wind direction sensor with potentiometer output

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