

BL Compact B

Building Moisture Indicator (% weight / % CM)

- 7 characteristic curves for materials / 2 characteristic curves for insulation materials
- MIN, MAX and HOLD functions/ acoustic alarm
- automatic calibration
- Automatic Power Off



TECHNICAL SPECIFICATIONS	
	Measurement range / resolution
Digits	0 ... 100 / 1
Building hum.	0.4 ... 6.0 % weight / 0.1 %
Wood moisture	tendency indication / 3 levels
Display	3 lines
Response time	<2 seconds
Power supply	9 V battery
Operating cond.	0 ... +50 °C
	-10 ... +60 °C (short time)
Applicable types	6LR61 type and / or 6F22 type
Dimensions	190 x 50 x 30 mm
Weight	approx. 180 g

INCLUDES

Building moisture indicator, battery, plastic box, instruction manual

ITEM NO.	ITEM
K-BL Compact B	building moisture indicator



PCE-WP21

Moisture Meter for Concrete and Screed

- selectable types of concrete (light / heavy)
- no need to prepare sample
- 3-digit LC display
- can be used on-site easily
- battery level indication



TECHNICAL SPECIFICATIONS	
Meas. range	1 ... 8 % absolute humidity
Resolution	0.1 %
Accuracy	±0.7 %
Meas. type	non-destructive
Meas. method	high-frequency measurement method
Meas. depth	approx. 50 mm
Power supply	9 V battery
	battery level indication
Functions	light / heavy concrete
Display	LCD, 3 1/2 digits
Dimensions	165 x 80 x 30 mm
Weight	500 g

INCLUDES

Moisture meter, battery, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-WP21	moisture meter



PCE-WP24

Moisture Meter for Building Materials

- meas. depth 50 ... 60 mm (depends on material)
- measurement results within seconds
- no need to prepare sample
- large LCD display
- suitable for on-site use
- battery level indication



TECHNICAL SPECIFICATIONS	
Measurement range	wood: 4 ... 60 % absolute moisture
	building mat.: 0 ... 10 % abs. m.
Resolution / accuracy	0.1 % / ± 0.7 %
Meas. depth	wood: approx. 50 mm
	building material: approx. 60 mm
Settings	density 0.3 ... 1.1 g/cm³
	dens. building mat.: 0.8 ... 2.8 g/m³
	wood thickness: 10 ... 60 mm
	build. mat. thickness: 30 ... 50 mm
Power supply	9 V battery
Display	LCD, 3 1/2 digits
Dimens. / weight	165 x 80 x 30 mm / 500 g

INCLUDES

Moisture meter, battery, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-WP24	moisture meter



PCE-WM1

Rel. Hum. / Abs. Moisture Meter [g/m³]

- measures relative humidity and temperature
- calculates absolute moisture in g/m3 and dew point
- HOLD function
- external probe for temperature and humidity
- Automatic Power Off / MIN, MAX, HOLD



TECHNICAL SPECIFICATIONS	
Meas. range	10 ... 95 % RH / -20 .. +80 °C
Resolution	0.1 % RH / 0.1 °C
Accuracy	±2 % RH / ±0.5 °C
Dew point	-25.3 ... +48.9 °C
Absolute moisture	calculated
Functions	MIN, MAX, HOLD
Recalibration	by PCE Instruments
Display	LCD, 3 1/2 digits
Power supply	9 V battery
Dimensions	probe: 150 x 30 mm
	device: 165 x 80 x 33 mm
Weight	380 g

INCLUDES

Humidity / moisture meter with external sensor, temperature sensor, battery, case, instruction manual.

ITEM NO.	ITEM
K-PCE-WM1	humidity meter

OPTIONAL ACCESSORIES	
K-CAL-PCE-WM1	ISO calibration certificate
K-PCE-WM-KF	spare sensor

RH-2

Thermohygrometer for climatological and environmental use

- quick adaptation / stable and long-life sensors (optional sensors)
- simple saving of the measured values for later reference
- multi-lingual menu
- innovative sensor technology
- HOLD function



TECHNICAL SPECIFICATIONS	
Measurement range	Temp. / RH-20 °C ... +120 °C / 0 ... 100 % RH (precision penetration probe)
	Temp. / RH-20 °C ...+85 °C / 0 .. 100 % RH (temp. / RH probe, 2 m cable)
Independent of sensor:	DP +55 ... +60 °C / RH 0 ... 130 g/m³ (air) / EMC 2 ... 30 % (wood)
Resolution	0.1 °C / 0.1 % / 0.1 g/m³ / 0.1 % (EMC)
Accuracy	EMC wood humidity ± 0.5 %
	accuracy of hum./ temp sensor: ± 0.5 °C / ± 1.5 %
	RH / temp. probe with 2 m cable: ± 0.5 °C / RH ± 2.5 %
Sample quantity / ATC	300 g / included
Memory / display	10000 values / 128 x 64 mm matrix display with backlight
Power supply	4 x 1.5 V AA Alkaline batteries (for approx. 1800 measurements)
Dimensions	145 x 63 x 24 mm / F1: 100 x 12 mm / F2: 300 x 12 mm
Weight	400 g

INCLUDES

Thermohygrometer, box, batteries, instruction manual (sensor and AW meas. chamber can be ordered separately)

ITEM NO.	ITEM
K-RH-2	thermohygrometer

OPTIONAL ACCESSORIES		OPTIONAL ACCESSORIES	
K-RH-2-AW	AW chamber + F2	K-RH-2-S	sintered cap
K-RH-2-TP	F1 (temp. / RH probe, 2 m cable)	K-RH-2-E	verification / calibration kit
K-RH-2-PFT	F2 (precision penetr. probe RH / °C)		2 x 35 %, 1 x 50 %, 2 x 80 % RH
K-RH-2-PFTD	RH / temp. comp. air probe, 2m		
K-RH-2-USB	USB LogMemorizer module		

BL Compact

Insulation Material Moisture Meter

- moisture measuring device for quick individual or serial measurements
- characteristic curves for 3 types of construction materials and 2 insulation materials
- moisture of wood and construction materials displayed in % weight on 3-line LCD display
- correction of wood types in 4 stages
- displays the device and ambient temperature



TECHNICAL SPECIFICATIONS

Measurement range	wood moisture: 6 ... 25 % (abs.dry) building m.: 0.4 ... 6.0 % weight
Resolution	0.1 %
Display	3-line screen
Response time	<2 seconds
Functions	MIN, MAX, HOLD, Automatic Power Off
Operating cond.	0 ... +50 °C -10 ... +60 °C (short time)
Power supply	9 V battery
Applicable types	6LR61 type and / or 6F22 type
Dimensions / weight	200 x 50 x 30 mm / approx. 170 g

INCLUDES

Moisture meter, battery, replacement tips, plastic cover, plastic box, instruction manual

ITEM NO.	ITEM
K-BL Compact	moisture meter

OPTIONAL ACCESSORIES

K-14351	penetration tips HW 175
K-14352	penetration tips BI 175
K-4600	tips without insulation 20 mm

PCE-HGP

Material Moisture and Temp. Meter

- 3 groups of wood / building material: mean characteristic curve
- well readable display
- automatic temperature compensation
- Automatic Power Off
- includes battery and pins for hard materials



TECHNICAL SPECIFICATIONS

Range wood	6 ... 60 % absolute moisture
Resolution	0.1 %
Accuracy	±1 % (<15 %), ±2 % (15 % ... 28 %)
Types of wood	3 groups selectable
Range b. materials	0 ... 60 % absolute moisture
Resolution	0.1 %
Accuracy	±1 % (<15 %), ±2 % (15 % ... 28 %)
Range RH / temp.	0 ... 100 % RH / -5 ... +50 °C
Resolution	0.5 % RH / 0.5 °C
Accuracy	±2 % (30 ... 80 % RH), ±3 % RH
Display / p. supply	LCD / battery
Dimens./ weight	160 x 27 x 15 mm / 100 g

INCLUDES

Moisture / temperature meter incl. 2 standard pins, battery, 2 pins for hard materials, instruction manual

ITEM NO.	ITEM
K-PCE-HGP	moisture / temperature meter

OPTIONAL ACCESSORIES

K-CAL-RF	calibration certificate
K-PCE-HGP-SN	spare pins (pack of 10)

PCE-WMH3

Wood Moisture Meter

- characteristic curves for 9 types of wood
- calibrated by factory, no need for other calibration
- no preparation needed
- automatic temperature compensation
- well readable display



TECHNICAL SPECIFICATIONS

Meas. range	6 ... 60 % absolute moisture
Resolution	0.1 %
Accuracy	±1 % (6 ... 18 %) ±2 % (18 ... 30 %) ±10 % (30 ... 60 %)
Types of wood	9 groups
Display	LCD, 3 1/2 digits
Electrodes	3.5 x 12 mm; 2.5 x 8 mm 2 x 6 mm
Power supply	12 V 23 A battery
Dimensions	210 x 120 x 60 mm
Weight	800 g

INCLUDES

Wood moisture meter, 3 x 2 drive-in electrodes, battery, instruction manual

ITEM NO.	ITEM
K-PCE-WMH-3	wood moisture meter

OPTIONAL ACCESSORIES

K-ENS-12-WMH	pins 12mm (pack of 10)
K-ENS-8-WMH	pins 8 mm (pack of 10)
K-ENS-6-WMH	pins 6 mm (pack of 10)

DampMaster

Material Moisture Meter

- for different groups of wood and building materials
- evaluation of results as wet / dry
- LC display with backlight / bar chart
- automatic / manual temperature compensation
- indication mode for reference measurements



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 90 %
Resolution	0.1 %
Accuracy wood	0 ... 30 %: ±1.0 % 30 ... 60 %: ±2.0 % 60 ... 90 %: ±4.0 %
Other materials	±0.5 %
Display	LCD
Pins	integrated in case (L= 6 mm)
Power supply	3 x CR2032 batteries
Operating cond.	0 ... +40 °C / 0 ... 85 % RH
Case	plastic material
Dimensions / weight	115 x 60 x 30 mm / 169 g

INCLUDES

Material moisture meter, protective cap, battery, bag, instruction manual

ITEM NO.	ITEM
K-DampMaster	material moisture meter

OPTIONAL ACCESSORIES

K-MMK-E-10	pins 10 mm (pack of 6)
------------	------------------------

PCE-MMK 1

Relative Humidity and Absolute Moisture Meter

- self-diagnostic programme for moisture of wood, paper, cardboard and building materials
- display backlight switches of automatically after 10 seconds
- wet / dry indication / manual temperature compensation
- types of wood and building materials adjustable
- 3 different electrodes included
- saves maximum and minimum values



TECHNICAL SPECIFICATIONS

Meas. range	wood: 1 ... 75 % build. mat.: 0.1 ... 2.4 % temperature: -40 °C ... +70 °C air humidity 0 ... 100 %
Resolution	0.1 %
Accuracy	wood: 1 ... 30 %: ±1 % 31 ... 60 %: ± 2 % 61 ... 75 %: ± 4 % build. mat.: ± 0.5 % temp: -40 ... -10 °C: ± 2 °C -10 ... +40 °C: ± 1 °C +40 ... +70 °C: ± 2 °C air hum.: 0 ... 20 %: ± 5 % 20 ... 80 %: ± 3.5 % 80 ... 100%: ± 5 %
Electrode length	8 mm (internal), 30 mm and 150 mm (external)
Meas. method	electrical resistance
Auto Power Off	after 3 minutes of inactivity
Case	plastic, shock-proof
Power supply	3 x CR 2032 batteries
Operating cond.	0 ... +40 °C / 0 ... 85 % RH
Dimensions	139 x 47 x 25 mm
Weight	100 g (without electrodes)

INCLUDES

Humidity / moisture meter, cap for self-disgnostic programme and external electrodes, ram-in electrode, penetration and paper electrodes, 2 x 30 mm pins, 2 x 150 mm measuring tips, 2 x 300 mm extensions, case, instruction manual

ITEM NO.	ITEM
K-PCE-MMK 1	humidity / moisture meter

OPTIONAL ACCESSORIES

K-MMK-E-10	pins 10 mm (pack of 6)
------------	------------------------

FMC, FME and FMD 6

Moisture Meters to Determine Absolute Moisture in Wood, Building Materials, Paper, ...

- characteristic curves AS/ NZS 1080.1
- FME and FMD 6 model authorised by MPA Stuttgart
- high reproducibility / high accuracy
- all models have a resolution of 0.1 %
- battery level indication / Automatic Power Off



TECHNICAL SPECIFICATIONS

Model	FMC	FME	FMD 6
Measurement range in %	5 ... 99 % (wood) / 0 ... 99 % (building mat.)	5 ... 99 % (wood) / 0 ... 99 % (building mat.)	5 ... 99 % (wood) / 0 ... 99 % (b. mat.)
Accuracy in %	0.3 %	0.3 %	0.2 %
Measurement method	moisture measurement based on resistance	moisture measurement based on resistance	moisture meas. based on resistance
Temperature measurement	---	possible with optional sensor	possible with optional sensor
Temperature compensation	manual	possible with optional sensor	possible with optional sensor
Characteristic curves AS/NZS1080.1	possible	possible	possible
Characteristic curves wood groups	possible (4)	possible (4)	possible (4)
Characterisitic curves for types of wood	---	possible (approx. 500)	possible (approx. 500)
Characteristic curves for constr. materials	possible (19)	possible (19)	possible (19)
Characteristic curves for paper	possible	possible	possible
Programmable characteristic curves	---	---	possible (approx. 450)
Measurement values memory	---	50 measured values	75 protocols with 2000 meas. values
Statistics, date, real time, software	---	---	possible
Measurement depth	depending on sensor	depending on sensor	depending on sensor
Power supply	9 V battery	9 V battery	4 x 1.5 V battery
Dimensions / weight	160 x 85 x 30 mm / 260 g	160 x 85 x 30 mm / 260 g	190 x 100 x 34 mm / 370 g

INCLUDES

Absolute moisture meter, case, instruction manual

ITEM NO.	ITEM
K-FMC	absolute moisture meter with manual temperature compensation
K-FME	absolute moisture meter with auto. temperature compensation
K-FMD 6	absolute moisture meter with software and RS-232

OPTIONAL ACCESSORIES
In your order please specify which sensors you need for FMC, FME and FMD

Sensors for FMW, FMC, FME and FMD

OPTIONAL ACCESSORIES FOR FMC, FME, FMD 6 MODELS

- K-HEHB
K-REHB
K-ENS-30
K-ENS-60
K-TFK

hand-held electrode (to penetrate wood and building materials)
ram-in electrode (for more powerful penetration of wood and building materials)
replacement pins, 30 mm, for hand-held and ram-in electrodes (without insulation, pack of 10)
replacement pins, 60 mm, for hand-held and ram-in electrodes (without insulation, pack of 10)
temperature sensor (only for FME and FMD for temperature compensation)



A UNIVERSAL SENSOR HOLDER IS NECESSARY FOR USING THE SENSORS LISTED BELOW.

- K-UFH
K-BH-OFF
K-ESF-325
K-NF4-15
K-NF4-17
K-NF2-100
K-SNF-175
K-BH-RF

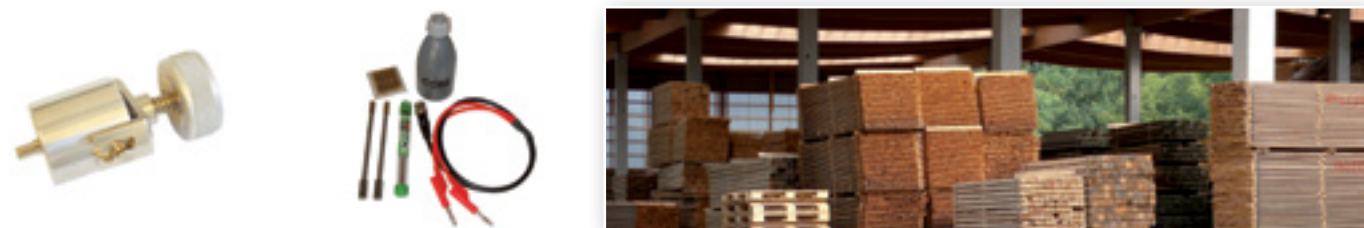
universal sensor holder (for connecting the sensors below), cable included
surface sensor (non-destructive, for all material surfaces)
penetration sensor 325 mm (for granulates, wood chips, pellets, sand, ...)
4-pin sensor 1.5 mm (for cork, rubber, textiles, ...)
4-pin sensor 17 mm (for building materials and wood)
2-pin sensor 100 mm (for insulation materials, glass wool, fruit, ...)
2-pin sensor 175+75 mm, the first 175 mm are insulated (for bulk goods such as wood pellets, coffee,)
roller sensor for moving surfaces (such as paper webs, veneer, textiles, ...)



SPECIAL SENSORS

- K-BH-KF
K-BH-KF-K
K-BFS
K-BFS-10

stainless steel chamber sensor (for loose materials such as sawdust, cereals, ...), please order the cable separately.
measuring cable for chamber sensor
sensor set for concrete and screed
replacement pins for concrete sensor set (pack of 10)



PCE-SMM 1

Absolute Soil Moisture Meter

- determines moisture of soil
- MIN, MAX and DATA HOLD functions
- battery level indicator
- probe length 225 mm
- case protection class IP67



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 50 % (absolute moisture)
Resolution	0.1 %
Accuracy	±5 % ±5 digits
Probe length	225 mm
Protection class	IP67
Display	LCD
Functions	MIN, MAX and DATA HOLD
Power supply	4 x 1.5 V AAA batteries (incl. battery level indication)
Operating cond.	0 ... +50 °C / <80 % RH
Dimensions	175 x 40 x 40 mm
Weight	240 g

INCLUDES

Moisture meter, probe, batteries, instruction manual

ITEM NO.	ITEM
K-PCE-SMM 1	moisture meter



TDR-100

Relative and Abs. Soil Moisture Meter

- determines soil moisture in % by volume, saturation in % and calculates the water deficit in mm/m²
- 3 different moisture sensors available (depending on the measurement task and the characteristics of the soil)
- programmable via PC, software included



TECHNICAL SPECIFICATIONS

Meas. range	0 ... 100 % saturation (relative) approx. 0 ... 50 % vol (absolute)
Resolution	1 %
Accuracy	±3 vol %
Types of soil	2 selectable
Sensor length	75, 120 or 200 mm
Protection class	IP 54
Interface	RS-232
Software	included
Display	2-line LCD
Power supply	4 x 1.5 V AAA batteries
Dimensions / weight	105 x 70 x 18 mm / 700 g

INCLUDES

Moisture meter, software in English, RS-232 interface cable, instruction manual

ITEM NO.	ITEM
K-TDR-100	moisture meter (without probe)

OPTIONAL ACCESSORIES	
K-TDR-S75	probes 75 mm (1 pair)
K-TDR-S120	probes 120 mm (1 pair)
K-TDR-S200	probes 200 mm (1 pair)
K-RS232-USB	RS-232 / USB adaptor

PCE-WT1N

Moisture Meter for Sawdust

- determines moisture quickly
- works on the basis of electrical resistance
- measures biomasses such as straw, hay, sawdust,...
- sample size up to 120 cm³
- quick and easy to use
- resilient design, overpressure protection



TECHNICAL SPECIFICATIONS

Meas. range	sawdust / shavings / straw / hay 8 ... 30 % 8 ... 25 %
Resolution	0.1 %
Accuracy	±10 % of measured value
Meas. volume	120 cm³
Sample size	max. 20 x 15 x 15 mm
Meas. pressure	approx. 0.2 MPa
Temp. compensation	digitally adjustable
Display	LCD, 3 digits
Power supply	12 V battery type A 23
Operating cond.	0 ... 50 °C
Dimesions / weight	300 x 220 x 65 mm / 990 g

INCLUDES

Sawdust moisture meter, battery, case, instruction manual

ITEM NO.	ITEM
K-PCE-WT1N	sawdust moisture meter



PCE-PEL 20

Moisture Meter for Pellets

- measurement range of 10 % ... 20 %
- resolution 0.1 %
- measurement probe 1000 mm
- easy measurement
- LC display
- powered by battery



TECHNICAL SPECIFICATIONS

Measurement range	10 ... 20 % (absolute m.)
Resolution	0.1 %
Measurement method	by resistance
Temperature compensation	manual, 0 ... +50 °C
Response time	approx. 3 seconds
Measurement probes	Ø 10 x 1000 mm, stainl. st.
Display	LCD
Power supply	12 V battery, type 23A
Battery life	approx. 10000 measurem.
Automatic Power Off	after approx. 10 min
Dimensions	carr. case Ø 80 x 1500 mm
Weight	900 g

INCLUDES

Moisture meter for pellets, battery, instruction manual, carrying case

ITEM NO.	ITEM
K-PCE-PEL 20	moisture meter for pellets



PCE-W3

Humidity meter for used paper

- For use in the entry-control of stacks of used paper (does not measure the water content of paper)
- For used paper, also mixed
- Robust penetration electrode
- Easy-to-read screen



TECHNICAL SPECIFICATIONS

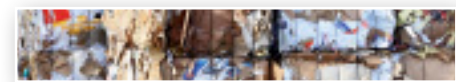
Meas. range	6 ... 30 % (absolute humidity)
Resolution	0.1 %
Precision	± 10 % of measured value
Electrode length	85 mm
Cable length	1 m
Type of material	Used paper, also mixed
Screen	LCD; 3.5 digits
Power supply	9 V battery
Operating cond.	0 ... +50 °C
Dimensions	165 x 80 x 33 mm Handle length = 10 cm
Weight	680 g

Delivery content

Humidity meter, battery, case, instruction manual

Reference	Item	
K-PCE-W3	Humidity meter	209.00

Accessories (optional)		
K-CAL-PCE-W3	ISO calibration cert.	107.00



P2 & P4

Absolute humidity meter for paper

- P2: used for Kraft paper, packaging paper, bag paper, cardboard and card
- P4: used for all types of paper and cardboard with a high filler content
- Measures without damaging
- Sensor at the back
- Automatic shut-down after 90 seconds and when exceeds measurement range



TECHNICAL SPECIFICATIONS

Model	P2	P4
Meas. range	3 ... 10 %	3 ... 8 %
Resolution	0.1 %	0.1 %
Precision	± 0.2 %	± 0.2 %
Type of meas.	Non-destructive	
Meas. depth	13 ... 18 mm	13 ... 18 mm
Min battery sp.	13 mm	13 mm
Screen	LCD; 3 digits	
Power supply	9 V battery	
Oper. cond.	+5 ... +40 °C	
Dimensions	120 x 60 x 26 mm	
Weight	200 g	

Delivery content

Meter P2 and/or P4, calibration standard, battery, rubber cover, case, instruction manual

Reference	Item	
K-P2	Humidity meter	395.00
K-P4	Humidity meter	399.00

Accessories (optional)		
K-10600	ISO calibration cert.	99.00