



Data Sheet Moisture Meter

PCE-MMK 1

PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@pce-instruments.com

EN

www.pce-instruments.com/english
www.pce-instruments.com

Areas of application

The PCE-MMK 1 is equipped with external and internal insertion probes for wood, construction materials and paper. It is designed for mobile use by technicians and assemblers, e. g. for incoming goods inspection. The universal moisture meter does not only measure the absolute moisture in construction materials or wood, but can also display data regarding the atmospheric environment (air humidity and temperature).

The universal moisture meter has four different measuring modes which can be switched in accordance to the probe. It can measure 130 different types of wood and 19 construction materials (cement, screed, mortar, concrete, etc.). It also has a dry-wet indicator for reference measurement and an index mode to measure absolute moisture.

1 Delivery content

- 1 x universal moisture meter PCE-MMK1
- 1 x measuring cap for self-test
- 1 x measuring cap for external electrode
- 1 x ramming electrode
- 1 x penetration electrode
- 1 x piling electrode
- 2 x 30 mm needles
- 2 x 150 mm measuring tips
- 2 x 300 mm extension
- 1 x instruction manual

2 System description

- | | |
|---|---|
| - Easy handling | - Type of wood and building material adjustable |
| - Self-test of universal moisture meter | - 3 different electrodes included in delivery |
| - wood, board paper and construction material | - Short and long insertion needles adaptable |
| - Battery indicator | - Temperature and moisture measurable |
| - Wet-dry-indicator | - Max and Min value saved |
| - Temperature unit switchable between °C and °F | - Manual temperature compensation |
| - Resistive measuring | - Internal and external electrode |

3 Technical specifications of the PCE-MMK 1

Measuring ranges	Wood: 1 ... 75 % Material: 0.1 ... 2.4 % Temperature: -40 °C ... +70 °C / - 40 ... +158 °F Humidity: 0 ... 100 %
Resolution	0.1 %
Accuracies	Wood: 1 ... 30 % / ± 1 % 31 ... 60 % / ± 2 % 61 ... 75 % / ± 4 % Materials: ± 0.5 % Temperature: -40 ... -10 °C, +40 ... +70 °C / ± 2 °C -10 ... +40 °C / ± 1 °C Humidity: 0 ... 20 %, 80 ... 100 % / ± 5 % 20 ... 80 % / ± 3.5 %
Electrode length	8 mm (internal), 30 mm and 150 mm (external)
Measuring principle	electrical resistance
Automatic turning-off function	after about 3 minutes (without using)
Automatic turning-off function (Display)	after about 10 seconds (without using)
Enclosure	Plastic, impact resistant
Battery	3 x CR 2032
Surrounding conditions	0 ... +40 °C, 0 ... 85 % RH
Measures	139 x 47 x 25 mm
Weight	100g (without electrode)

4 In-use pictures

