



# Moisture Meters

for measuring dampness in construction materials



We manufacture a range of portable, pin-type (resistance) moisture meters for both the professional and the craftsman. Pin-type moisture meters are acknowledged as a reliable way to obtain percentage moisture readings in a wide range of building materials. The relationship between moisture content and electrical resistance provides consistent and accurate results over the range of 4 % to the fibre saturation point, which is approximately 30 %, dependant on the material.

## building materials

Some moisture is unavoidable and may even be necessary in certain building materials, but too much can cause mould, decay and other problems. Our moisture meters are cost-effective instruments that can easily determine moisture levels - allowing the user to diagnose problems and make informed decisions with regard to remedial actions.

## problems in measuring moisture

The main problems arise from the 'structure' of the material being tested, in particular, the presence of other conductive material that can affect the reading. Therefore when measuring the moisture content of a material it is important to appreciate a number of factors:

- surrounding environment
- density of the material
- grain size or direction
- ability of a material to absorb moisture

## why measure moisture in floors & walls?

Many of today's flooring materials use water-based adhesives, which are more likely to fail than the older, traditional, solvent-based adhesives. Moisture can cause laminates to fail, tiles to lift and hardwood floors to warp or split. A newly poured concrete floor slab is usually the slowest-drying element of a building. Therefore it is important to measure the moisture content accurately to ensure a successful floor.

Measuring the moisture content of walls is a traditional method for locating damp and other related problems, i.e. damaged pipework, breached damp-proof courses etc. It is important to ascertain the cause of the dampness, i.e. rising damp, penetrating damp or condensation before any remedial action is undertaken.



# 7250 Moisture Meter

## for timber & general building materials



- easy-to-read, digital display with 20-LED bar graph
- specifically designed for the building professional
- 5 scales - concrete, plaster, reference & 2 timber
- compact & robust design

The 7250 is a compact, general purpose moisture meter designed specifically for building professionals and tradesmen to check the moisture content in a variety of construction materials. The moisture meter features a 20-LED bar graph within the keypad which displays current moisture levels; green for 'OK', amber for 'WARNING' or red for 'DAMP'. The digital meter incorporates five scales of measurement.

Scale 1 - Wood 1 (W1)	6.0 to 40.0 %
Scale 2 - Wood 2 (W2)	8.0 to 40.0 %
Scale 3 - Plaster (P1)	0.1 to 15.0 %
Scale 4 - Concrete (C1)	0.5 to 12.0 %
Scale 5 - Linear or Reference (Lin)	0 to 1000

The unit is housed in a robust ABS case and is powered by three AAA batteries that give a minimum of 350 hours battery life. The instrument will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

Each meter incorporates two Ø1.2 x 7 mm pointed, replaceable pins and is supplied in a zip wallet complete with 50 spare pins (602-530). The 7250 moisture meter is an essential tool for flooring surveyors and building and construction engineers.



### optional accessory

- Protective silicone boot - fitting a boot will make your instrument splashproof to IP64 and prevent against accidental damage. Various colours are available - see page 13



order code	description
224-075	7250 moisture meter*
830-222	protective silicone boot - yellow
832-222	s/steel wall bracket & boot

\*inclusive of spare pins - pack of 50 (602-530)



specification	7250 moisture meter
range	scale 1 6.0 to 40.0 % scale 2 8.0 to 40.0 % scale 3 0.1 to 15.0 % scale 4 0.5 to 12.0 % scale 5 0 to 1000
resolution	0.1 % or 1 (Linear Scale)
accuracy	±1 % moisture content
battery & life	3 x 1.5 volt AAA - 350 hours
display	12 mm LCD
dimensions	25 x 56 x 128 mm
weight	130 grams

# 7000 Moisture Meter

complete with general purpose two-pin probe

- LED bar graph indicates 'OK', 'WARNING' or 'DAMP' levels
- specifically designed for the building professional
- 5 scales - concrete, plaster, reference & 2 timber
- interchangeable 2-pin probes

The 7000 is a compact, general purpose moisture meter designed specifically for building professionals and tradesmen to check the moisture content in a variety of construction materials for moisture content diagnosis.

The instrument features a 20-LED bar graph within the keypad which displays current moisture levels; green for 'OK', amber for 'WARNING' or red for 'DAMP'. The instrument incorporates a large, easy to read, LCD display with low battery indication. The digital meter incorporates five scales of measurement.

Scale 1 - Wood 1 (W1)	6.0 to 40.0 %
Scale 2 - Wood 2 (W2)	8.0 to 40.0 %
Scale 3 - Plaster (P1)	0.1 to 15.0 %
Scale 4 - Concrete (C1)	0.5 to 12.0 %
Scale 5 - Linear or Reference (Lin)	0 to 1000

Each unit is housed in a robust ABS case and is powered by three AAA batteries that give a minimum of 350 hours battery life. The instrument will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

Each moisture meter comes complete with a general purpose two-pin probe, having a one metre PVC lead and BNC connector, all supplied in a handy-sized protective zip wallet and 50 spare pins (602-530). For alternative moisture probes available, see opposite page.



order code	description
224-070	7000 moisture meter
830-222	protective silicone boot - yellow
832-222	s/steel wall bracket & boot

the 7000 moisture meter is inclusive of probe



## optional accessory

Protective silicone boot - fitting a boot will make your instrument splashproof to IP64 and prevent against accidental damage. Various colours are available - see page 13



specification	7000 moisture meter
range	scale 1 6.0 to 40.0 % scale 2 8.0 to 40.0 % scale 3 0.1 to 15.0 % scale 4 0.5 to 12.0 % scale 5 0 to 1000
resolution	0.1 % or 1 (Linear Scale)
accuracy	±1 % moisture content
battery & life	3 x 1.5 volt AAA - 350 hours
display	12 mm LCD
dimensions	25 x 56 x 128 mm
weight	130 grams

# Moisture Meter Kit

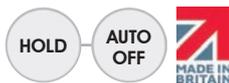
## for both the professional & the craftsman

Designed specifically for the construction industry, this moisture meter kit is a complete solution for measuring the moisture and dampness in a variety of building materials. This kit represents excellent value for money as it is supplied in a robust ABS carrying case and includes a two-pin probe, two packs of pins and a protective silicone boot.



### each kit contains:

- 7000 moisture meter (224-070)
- general purpose two-pin probe (180-160)
- heavy duty hammer probe (180-170)
- general purpose pins - pack of 50 (602-530)
- hammer probe pins - pack of 10 (602-537)
- protective silicone boot - yellow (830-222)
- ABS carrying case (834-715)



order code	description
224-079	moisture meter kit

# Moisture Probes

## for use with 7000 & 7250 moisture meters

		order code
<b>general purpose probe</b>  26 x 33 x 60 mm overall	This standard, general purpose, two-pin (12.7 mm spacing) moisture meter probe is ideal for measuring moisture in a variety of building materials. Supplied with a one metre PVC lead and BNC connector.	180-160
 Ø1.2 x 7 mm (fitted)	Spare general purpose probe pins - pack of 50	602-530
<b>heavy duty hammer probe</b>  Ø40 x 290 mm overall	This probe is designed for measuring moisture in wood and similar materials. The pin's insulated shanks ensure measurements are taken at the pin tip, allowing varying of depth measurements. Supplied with a one metre PVC lead and BNC connector.	180-170
 Ø2.4 x 30 mm (fitted)	Spare hammer probe pins - pack of 10	602-537
<b>deep wall probe</b>  Ø3 x 150 mm overall	This insulated deep wall probe measures moisture deep within walls, regardless of surface dampness. The insulated shanks should be inserted into pre-drilled holes. Each pair of probe assemblies is supplied with a one metre PVC lead and BNC connector.	180-180
 Ø3 x 130 mm	Spare insulated shanks - pack of 2	602-539