

# Moisture Meters for Wood

## Compact



The **Compact** is a hand-held instrument designed to instantly and accurately measure moisture content in wood, wood by-products and building materials such as roofing, insulation, plaster and brick. Using built-in electronic probes, or optional interchangeable electrodes, the **Compact** measures moisture content which is then indicated on a clearly calibrated analog dial. The **Compact** provides a full range of readings, from 7% to 40% moisture in wood, and 0-100 on colour-coded relative scale. This pocket-size, and versatile instrument offers an accurate, fast and convenient way of moisture measurement at a low cost.

## Professional



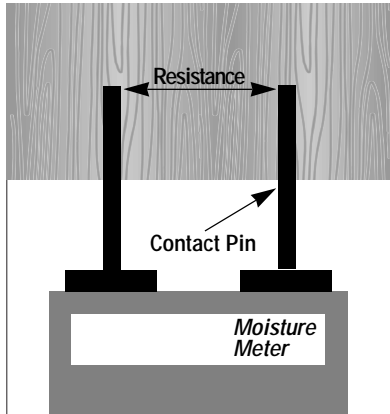
The **Professional** is a hand-held instrument designed to take precise measurements of moisture content in wood and wood products. Using built-in electronic probes, or optional interchangeable electrodes, the **Professional** is easy to use, extremely accurate, giving readings from 6% to 40% in 0.1% increments over the entire measurement range. Readings are displayed on the large clearview digital LCD dial.

The **Professional** offers a most practical and accurate way of ensuring that wood is at correct moisture level for its intended use, proving to be a vital tool for good quality control.

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These portable, battery-operated meters combine a sophisticated electronic design with a durable, lightweight aluminium housing. A choice of interchangeable electrodes and pins makes the **Compact** and **Professional** flexible enough for virtually any application. The selection of electrodes includes: deep hammer type, shallow penetration and deep wall type.

## The Compact and Professional are easy-to-use but advanced in design



### Specifications

**Compact**  
**Size:** 6¼" x 3" x 1"  
 (160mm x 75mm x 25mm)  
**Net weight:** 8.8 ounces (250 grams)  
**Battery:** one standard 9v battery (included)  
**Range:** 7% to 42% wood moisture content  
**Display:** Analog Meter

**Professional**  
**Size:** 6¼" x 3" x 1"  
 (160mm x 75mm x 25mm)  
**Net weight:** 8.8 ounces (250 grams)  
**Battery:** one standard 9v battery (included)  
**Range:** 6% to 40% wood moisture content  
**Display:** LCD with a resolution of 0.10% over entire range.

advanced technology based on electrical resistance. When the hand-held or hammer probes are pressed into wood, the electrical resistance between the probes is measured and indicated on the large, easy-to-read display meter. If moisture is present in the wood, the electrical resistance between the probes changes. The higher the moisture content, the greater the reduction in resistance. This resistance is sensed by the instrument which then translates it into the percentage of dry weight moisture content.



A complete selection of electrodes and accessories are available. All are interchangeable between the Compact and Professional. All Tramex Moisture Meters include a one-year manufacturer's warranty.

### Tramex also manufactures: **Non-destructive Moisture Meters**

- For Hardwood Flooring
- For Concrete Flooring
- For Building Inspection
- For Roofing
- For Wood
- For EIF Cladding Systems

## Features

- Immediate accurate readings on a clear easy-to-read meter.
- Wide moisture content range: 6 to 40% on wood
- Built-in electrodes - ready for service
- Built-in socket for use with a choice of external electrodes
- Timed On/Off Switch
- Reading Hold facility
- Temperature stable circuit
- Pocket-sized, easy-to-use.
- Heavy-duty yet light-weight aluminium construction.
- Built-in battery check and calibration checks
- Power source - standard 9v battery included
- Calibration and battery check
- Range of accessories available

All specifications are subject to change without notice.

### Electrodes and Pins for use with Professional and Compact Moisture Meters

Code	Length	Type of Pin	Max Penetration
SPI-200	200mm (8")	Straight insulated	175mm (7.0")
SPI-90	90mm (3.5")	Straight insulated	72mm (2.8")
SPI-52	52mm (2")	Straight insulated	36mm (1.5")
SPI-42	42mm (1.6")	Straight insulated	25mm (1.0")
TP-30	30mm (1.2")	Tapered	14mm (0.5")
SP-25	25mm (1.0")	Straight insulated	10mm (0.4")
TP-20	20mm (0.7")	Tapered	7.5mm (0.3")

HH-14 Hand-held electrode

HA-21 Hammer action electrode

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## The importance of determining moisture content

The three main reasons for controlling moisture content in wood are:

- To minimise problems due to dimensional change or distortion which can be caused by moisture loss or gain by the wood or wood by-products when in use.
- To enable efficient processing such as milling, machining, gluing, laminating, spraying and painting.
- To prevent deterioration and decay, ensuring adequate strength.

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