



The James T-M-160 Aquameter

**A Hand Held Instrument for Fast
Accurate Measurement of
Moisture Content in Wood.**

Applications:

Locate leaking pipes in walls & floors.

**Check moisture level of material before
applying coatings or adhesives.**

Curing condition of wood.

Features and Benefits

- Direct read out of moisture content, no charts or tables required.
- Separate modes for different species of Wood.
- Measures Moisture in Woods with Accuracy.
- Specific material calibration available for maximum accuracy.
- No prongs, probes, or holes to be drilled.

NDT INTERNATIONAL, INC.
711 S. CREEK ROAD
WEST CHESTER, PA 19382-8031

Tel: 610-793-1700
Fax: 610-793-1702
info@ndtint.com
www.ndtint.com

The James T-M-160 Aquameter

Technical Specifications



Technical

The James Instruments' Aquameter MK II utilizes the latest electronic technology to measure the quantity of water within its sensing field. The T-M-160 using a high frequency capacitive sensor, samples a large volume of material, approximately 460 mm x 670 mm x 25 mm (1 13/16" x 2 5/8" x 1"), instantaneously. Changes in this electromagnetic field are directly proportional to the dielectric constant of the material through which it passes. As the dielectric constant of water is almost two orders of magnitude greater than most non-metallic materials, variations in this parameter can be correlated to the moisture content. After extensive testing of various woods, relationships between the change in this field and moisture content have been determined. These relationships have been digitized and implemented using the latest in micro-computer technology, thereby allowing the user the direct readout of moisture content for woods with a density range of 300 to 1000kg/m³. The unit comes complete with a table for the density of various wood types.



Sales Numbers

T-M-160

Aquameter MK II

Specifications

Size:	120mm x 60mm x 25mm (4.75 x 2.3 x 1 in)
Weight:	150 g (6 oz)
Measuring Range:	2% - 50%
Repetition Accuracy:	Better than 0.5% at constant temperature
Temperature Range:	0° to 50° C
Battery:	9 V disposable

Distributed by:

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