

Kett

SCIENCE OF SENSING

Wood Moisture Tester MT-900



Photo is for illustration and does not show actual measurement conditions.

Wood Moisture Tester Model MT-900

Good work from a good instrument.

Wood requires a considerable amount of time to dry. If it is processed or used for construction with insufficient drying, distortions may subsequently occur and these may cause cracks to appear. As can be seen in examples of wood used in historic structures, as long as construction techniques and controls are not neglected, wood is a superior material for which it is not impossible for a building to have a lifespan of several hundred years. Particularly suited to a hot and humid climate like Japan, because wood itself keeps pace with fluctuations in humidity, it is said to be a living material. In order to make use of wood, properly controlling moisture content can be said to be essential.

Good work from a good instrument: the MT-900.

- **Data for 16 wood groups and calibrations for “hardwood” and “softwood.”**

Calibrations for so-called “hardwood” and “softwood” are stored in memory in addition to data for 16 wood groups.

- **High moisture content wood.**

If the “hardwood” and “softwood” calibrations are used, you can measure over a wide range from low moisture content to high moisture content.

- **Upper limit alarm.**

You can set an upper control limit so that when the moisture content exceeds that limit, an alarm sounds. The set-point range is from 10 to 79%.

- **Moisture content bias adjustments.**

A moisture content bias adjustment can be made from -9.9% to +9.9% in accordance with the control situation and the bias can be adapted to actual conditions.

- **Temperature compensation function.**

When there is a marked temperature difference from the ambient temperature of the measurement location, such as with wood immediately after drying, the difference has an effect on measured values. This is automatically compensated for.

- **Auto Off function.**

Automatically turns off when not in use after approximately 5 minutes.

Specifications

Measurement principle	Electrical resistance
Applications	Veneer/lumber
Calibrations	For hardwood and softwood use*1 (Standard method: ISO 3130), 16 wood group classifications*2
Measurement range*3	6 to 80% (hardwood), 7 to 80% (softwood), 4 to 40% (when wood groups 1-16 are selected, varies with group type*2)
Measurement precision	Below 20%: $\pm 0.5\%$, 20% and higher: $\pm 2.0\%$ (precision with respect to base resistance)
Display	Digital (LCD, 0.1% of the smallest displayed digit)
Operating temperature range	0 to 40°C
Additional functions	Automatic temperature compensation, average value display, auto power off (automatically turns Off after 5 minutes), Upper limit alarm setting (10 to 70% or Off), Moisture value bias adjustment (-9.9 to 9.9%)
Power supply	1.5 V batteries (AA alkaline) (6)
Power consumption	Approximately 0.45 W
Dimensions and weight	110 mm (W) x 210 mm (D) x 50 mm (H), 0.5 kg
Accessories	Needle probe, spare needle (10), conductive rubber (2), wrench, 1.5 V battery (AA, alkaline) (6), carrying case, shoulder strap, wood group number table (Japanese and English) (1 each)
Options	Printer (VZ-330), printer connecting cable (VZC26)

*1 Calibrations prepared using the most recent wood and measurement techniques. Different values are displayed for the calibrations of the 16 wood group classifications.

*2 Uses the same calibrations as our “TURKU, TURKU H, MT-8S, MT-8SK and MT-700” wood moisture testers.

*3 Range when measured at 20°C. For temperatures below 20°C, the measurable lower limit value increases by 0.1% per 1°C.



Standard accessory item carrying case



KETT ELECTRIC LABORATORY

1-8-1 Minami-Magome Ota-Ku, Tokyo 143-8507 Japan
Tel. +81-3-3776-1121 Fax. +81-3-3772-3001
URL <http://www.kett.co.jp/> E-mail overseas@kett.co.jp

Management System Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, which conform to JIS Q 9001, ISO 9001. The Scope of the Registration: Design, development and production management of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers. Calibration and repair of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers.



This brochure uses environmentally friendly “vegetable soy ink” and waste paper blend recycled paper*.

Requests