

**A FEW PRACTICAL BENEFITS:**

Measuring device designed and produced according to the highest quality standards in Germany

German industrial design in robust, premium two-component construction with IP54 type of protection

Continuous easy-to-clean glass surface made of highly scratch-resistant Blanview special glass for a high-contrast display of measured values even at intense incidence of light

Capacitive touchscreen control panel

High-resolution colour display for simultaneous indication of two measured values

Temperature compensation function during wood moisture measurement

Integrated material characteristics for hundreds of different types of wood

Extensive compendium of material curves included

Expanded range of applications thanks to connection facility for various moisture electrodes with optional TS adapter set

Incl. MultiMeasure Studio measurement data management software (standard download version)

# Wood and building moisture measuring device T510

**Professional hand-held measuring device for the exact determination of wood and material moisture content according to the resistance measuring method**



**Finally one software for basically all measuring devices:**

**MultiMeasure Studio Professional**

Not only ideally suited for the fully compatible T510, but also for many partially compatible measuring devices – even owners of isolated external devices benefit from this software, for it enables the analysis and administration of all measuring projects and customer data across multiple devices in a single application!

Using the unique report generating function you can create professional reports in a trice: Numerous boilerplate texts for building diagnostics, moisture measurement, leak detection and thermography are already included completely formulated.

*Further information regarding the professional version can be found starting on catalogue page 52...*

In addition to the measurement of moisture in soft building materials such as gypsum or plaster, the T510 is suited like no other device of its class for inspections in forest enterprises, saw mills and wood processing companies.

Especially for the moisture measurement of wood-based materials, the T510 is in fact provided with a menu option allowing the selection of hundreds of different types of wood.

This is enabled by numerous validated material curves, which are stored in the device software and can be selected from the Trotec table of wood types by means of a corresponding material number.

The wood type directory comprising 170 pages included in the scope of delivery is probably the most extensive compendium of material curves on the market.

As can be expected from a professional wood moisture measuring device of German high-quality manufacturing, the T510 is equipped with a special function for the temperature compensation of the goods to measure.

During measurement, the wood moisture value determined in real time and the defined wood temperature are simultaneously indicated on the clearly legible colour display behind Blanview special glass, ensuring a high-contrast display of measured values even in the sunlight.



*The T510 comes with a continuous surface made of highly scratch-resistant Blanview special glass and capacitive touchscreen control panel.*

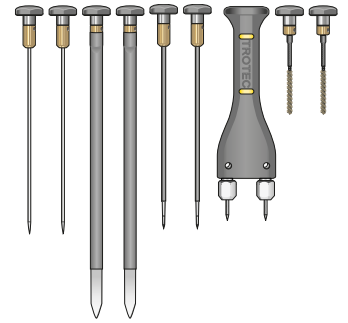




**Combine the practical benefits of the T510 with the enhanced possibilities of a flexible electrode selection:**

The optionally available TS adapter set allows for the connection of all Multi-Measure electrodes for wood and building moisture measurement to the T510.

This way you can benefit from an application range only very few compact moisture measuring devices of this class have to offer.



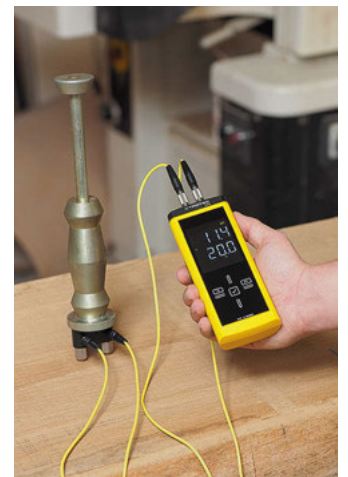
*You would like to perform moisture measurements on concealed components? In solid building materials like concrete? In timber beam ceiling constructions? In the insulation layer along the border joints? In multi-layered wall or ceiling constructions? On wood types of different degrees of hardness?*

**No problem at all with the TS adapter set:**

Whether ram electrode, round, flat or layer depth electrodes in all available lengths and diameters with insulated or uninsulated electrode tips – the complete range of MultiMeasure electrodes can be connected to the T510 without difficulty!

The set consists of two special adapter heads (Article no. 3.510.200.224) which can quickly and easily be screwed onto the top of the T510 in exchange for the standard cap nuts and serve as connectors for the TC 25 connecting cable (Article no. 3.510.200.025).

Owing to the long cable connection, moisture measurements can be performed easily and conveniently even in poorly accessible locations.



Technical data		T510
Article no.		3.510.207.505
Building moisture	Ascertainable measured values	Digits
	Measuring principle	Resistance measuring method (indicative)
	Measuring range	0 to 100 digits
	Resolution	0.1 digits
Wood moisture	Ascertainable measured values	Mass % (M %)
	Measuring principle	Resistance measuring method
	Measuring range	0 to 100 %
	Accuracy <sup>1)</sup>	±0.8 M% (at 0 to 5 M%), ±0.2 M% (at 5 to 30 M%), ±0.1 M% (at 30 to 100 M%)
	Resolution	0.1 M%
Temperature compensation		Adjustable from -20 to +60 °C
Electrodes	Length / ø	20 mm / 1.5 mm
	Penetration depth	Approx. 10 mm (with standard electrodes)
Functions	Measuring functions	Measurement of real value, minimum, maximum and average value; display value hold function
	Adjustment functions	Mode selection for wood or building moisture measurement, temperature adjustment for wood moisture measurement, wood material code, offset adjustment for digit or mass % measurements, automatic switch-off, variable display illumination with dimmer function, key lock, measured value storage <sup>2)</sup>
	Wood type selection	Integrated material characteristics for hundreds of different types of wood
	Alarm function	■
Power supply	Internal	4 x 1.5 V, type AA, IEC LR06; or comparable NIMH rechargeable batteries (>2500 mAh)
	External	USB
General technical specifications	Display	High-resolution colour display for simultaneous indication of two measured values
	Control	Capacitive touchscreen with cross control
	Front glass (display and touchscreen)	Highly scratch-resistant "Blanview" special glass for high-contrast display even in the sunlight; chemically hardened, degree of hardness 7
	Housing protection type	IP54
	Interfaces	USB
	Operating conditions	0 to +50 °C, < 90 % RH <sup>3)</sup>
	Storage conditions	-10 to +60 °C, < 95 % RH <sup>3)</sup>
	Dimensions (L x W x H)	187 x 63 x 35 mm
Weight (incl. batteries)	280 g	
Scope of delivery	Standard	Measuring device, protective cap for measuring tips, 10 spare measuring tips, screen protective film, silicone cover, USB cable, batteries, Getting started guide, factory test certificate, MultiMeasure Studio Standard PC software (download)
	Optional	Screen protective film (Art. no. 3.510.200.220), Silicone cover (Art. no. 7.330.000.065), holster 3 bag (Art. no. 3.510.200.228), TS adapter (Art. no. 3.510.200.224), TC25 connecting cable (Art. no. 3.510.200.025), PC software MultiMeasure Studio Professional (Art. no. 3.510.204.010)

■ Standard equipment; <sup>1)</sup> depending on the measuring principle; <sup>2)</sup> only in combination with the "MultiMeasure Studio" software; <sup>3)</sup> non-condensing

Trotec  
Temperature  
Multi-function  
Climate  
Moisture  
Data loggers  
Software  
Emission  
Air Flow  
Optical inspection  
Leak detection  
Tracing and detection  
Planning and survey