

## GUARANTEE AND SERVICE

TANEL Electronic warrants the Moisture Meter WRD-30 to be free from malfunction and defects in both materials and workmanship for one year (12 months) from the date of purchase.

If the Moisture Meter WRD-30 does not function properly during the warranty period due to defects in either materials or workmanship, our company will, at its option, either repair or replace the instrument without charge, subject to the conditions and limitations stated herein. Such repair service will include any necessary adjustments and replacement part.

### Limitations

This warranty becomes null and void if you fail to pack your WRD-30 in a manner consistent with the original product packaging and damage occurs during product shipment. This warranty does not cover: circumstance beyond our company's control; service required as the result of unauthorized modifications or service; misuse, abuse;

Size 33\*80\*165mm  
Electrodes F 2\*5mm

### Attention:

The selected wood type and wood temperature are indicated by the pointed ends of the knobs.

### PREPARING THE INSTRUMENT

Set the "WOOD TYPE" switch to the appropriate wood type and the "WOOD TEMPERATURE" switch to the measured (or approximate) wood temperature.

### MEASUREMENT

Hold the device by the rear end and slowly but firmly push the electrodes into the wood.

A line drawn between the needles should be perpendicular to the fibres in the wood.

Avoid swinging the device while inserting and removing the electrodes from the wood.

### DO NOT BEAT THE DEVICE INTO THE WOOD.

If the electrodes are properly inserted into the wood the device should turn on automatically and one or two neighboring diodes should

## PRODUCER



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## GUARANTEE

The manufacturer guarantees the correct functioning of the Wood Moisture Meter WRD-30 under normal use for a period of 12 months.

Serial number .....

Production date .....

## USERS MANUAL

## WOOD MOISTURE METER WRD-30



**DESCRIPTION AND APPLICATIONS**

Wood Moisture Meter WRD-30 is a state-of-the-art electronic device for measuring moisture in wood from 6% to 30% of moisture contents. It can measure moisture in 11 different types of wood: pine, spruce, fir, great maple, birch, maple, ash, walnut, oak, beech and poplar. The Moisture Meter is equipped with temperature compensation control knob. Moisture Meter WRD-30 is widely used in wood industry, forestry and other industries utilising wood.

**TECHNICAL DATA**

Range	6 % - 30 % moisture cont.
Number of wood types	11
Wood temp. range	0° - 50° C
Resolution	1%
Display type	LED diodes
Number of diodes	13
Power	2 * 9V (2 bat. 6F22)
Battery life	about 2.000 measurements

failure to follow our company operating or maintenance instructions. Repair or replacement without charge is our company's only obligation under this warranty. Our company will not be responsible for any special, consequential or incidental damages resulting from the purchase, use, or improper functioning of this equipment regardless of the cause. Such damages for which our company's will not be responsible include, but are not limited to, loss of revenue or profit, downtime costs, loss of use of the equipment, cost of any substitute equipment, facilities of services, or claims of your customers for such damages.

**Important**

To prevent faulty results in measurements please check your meter reading results within an adequate time period by the dry oven test according DIN 52 183 Standard.

light up. If two diodes are on the result of the measurement is between the two numbers indicated by the diodes (i.e. if "14" and "16" are on the result is 15%).

If the diode labeled "6" is on the result is less or equal to 6%.

If the diode labeled "30" is on the result is greater or equal to 30%.

While conducting the measurements you should observe the following rules:

- Do the measurement in the middle of the timber not closer than 0.5 m from each end.
- Do not make the measurements where there are defects in the wood.
- You should make from 2 to 4 measurements on each side of the timber.
- In each spot you should make not less than 3 separate measurements 10 - 15 mm apart.
- The final result is the arithmetic average of the results.

**POWER LEVEL CONTROL**

The instrument is equipped with a power level control unit. When the power drops

below acceptable level a diode labelled "BT" lights up. This indicates that the batteries have expired and should be replaced with new ones.

**CHANGING BATTERIES AND STORAGE**

To replace the battery unscrew the screw on the back of the instrument and carefully remove the back panel. Ensure a firm and secure connection of the new batteries.

Replace the batteries when necessary but no less than every 6 months. Store the device in a dry place.

**REPLACING ELECTRODES**

Bent or broken electrodes should be replaced with new ones. To replace the electrodes unscrew the screw on the back of the instrument and carefully remove the back panel. Remove the old electrodes with pliers and push new ones in their place. There are two spare electrodes inside the device.

