

## DIGITAL HANDHELD THERMOMETER DTM LIGHT INSTRUCTION MANUAL

The DTMLight electronic digital thermometer stands out primarily in terms of its accuracy, low power consumption, low weight, simplicity of operation, and a low price. The DTMLight unit has been designed for simple measurements over a very large temperature range.

### TECHNICAL DATA

Measurement range:	-100°C ... 1370°C
Resolution:	1°C
Accuracy:	-100..-50°C +/- 1% FS -50..1100°C +/- 0.5 % FS 1100..1350°C +/- 3% FS
Battery:	9V-Block, 6F22 (incl. shipment)
Battery life:	ca. 2000h (with alkali battery)
Sensor:	thermocouple type K (NiCr-Ni) for DIN IEC 584 (not included by the shipment), 28 standard configurations as well as varied we can deliver manufacture economical customised sensors

### FUNCTIONAL DESCRIPTION

The unit is switched on by actuating the switch on the left side of the housing.

If the input is open (no probe connected) strikes '1' on the Display. Now the thermometer is ready for measurement. If a probe is connected when the DTMLight switched on it will directly shows the registered temperature of the probe.

The switch of is funded also by actuating the on/off switch.

### CHANGE BATTERY

If 'LOBAT' appears on the display the battery should be replaced.  
 The battery compartment is located on the rear face of the housing.

Please change the battery as soon as possible after 'LOBAT' appears to avoid the leakage of the battery.

### SENSOR

A large number of thermocouple sensors are available for the DTM3000 digital thermometer for practically any application. (28 standard configurations).

The probes have a green flex and a green miniature thermocouple socket.

For particular measurement problems we can also manufacture economical customised sensors to meet your requirements.

### ADVICE REGARDING ACCURATE MEASUREMENTS

On principal the temperature measuring instruments on thermocouple basis should be tempering a few minutes if the temperature change abrupt.

So you can realise a accuracy and solid measurement result.

During the measurement of high temperatures (over 500°C) please attend if the sensor is designated for this.

For measurements in liquids the sensor must be immersed to a length that corresponds to 10 times its diameter.

