

# Model OM-MT20 Temperature Acquisition Module for Handheld Computers

- ✓ Measure, View, Collect and Analyze Temperature Data Using Your Handheld Computer
- ✓ Stored Data is Easily Transferred from the Handheld Computer to Your PC
- ✓ Connect up to Two External Thermocouples
- ✓ Lightweight, Compact, Durable
- ✓ Battery Powered

The OM-MT20 temperature acquisition module snaps onto your handheld computer and gives you the power to collect data in a revolutionary new way. The OM-MT20 is easy to use. Simply install the applications software on your handheld computer, clip on the OM-MT20 module and you are ready to start taking temperature measurements. The software screens are simple, clear and easy to understand. You simply set up your testing parameters, run tests and save data directly on your handheld computer. The OM-MT20 is supplied with user-friendly application software. The supplied software installs on your handheld computer and includes both a manual and an automatic data logging program. Stored data is easily transferred from the handheld computer to the PC. Data is transferred to the PC in comma separated value file format (.CSV) which will open in most common spreadsheet, word processing, charting, statistical or other analytical software programs.

## Software

The manual temperature measurement program supports type J, K, T and E thermocouples and provides a continuous display of temperature on the handheld computer with a user defined update interval of 1, 2 or 4 seconds. Data is stored to memory manually with a date and time stamp by simply pushing a button on the handheld computing device.

OM-MT20  
\$199  
Basic Unit

Handheld  
Computer  
Not  
Included



OM-MT20 Temperature Acquisition Module Shown Connected to a Handheld Computer

Shown with KMTSS-125U-6 Thermocouple Probe (Sold Separately)



OM-MT20 Module

With 500 KB of free memory in the handheld computer, over 10,000 scans of data can be stored. The automatic datalogging program supports type K thermocouples only. It provides a means for collecting temperatures at a user defined scan rate for a specified time period. Run a test by entering an operator name, test duration in hours, minutes and seconds (up to 100 hours) and a logging interval from 1 second up to 49 hours. Then choose one of three methods to start logging: button, time delay or temperature threshold.

## Specifications

**No. of Inputs:** 1 or 2 external thermocouples

### Compatible Handheld

**Computers:** Palm Pilot SE, Palm Pilot Professional, Palm III, IBM WorkPad, Symbol Technologies SPT 1500

**Thermocouple Input Types:** J, K, T, E

**Input Connection:** Subminiature female thermocouple jacks

### Temperature Measurement

**Range:** Type J or K: -200 to 1000°C (-328 to 1832°F); Type T: -200 to 390°C (-328 to 734°F); Type E: -200°C to +990°C (-328 to 1814°F)

**Data Storage:** 10,000+ readings (depends on handheld computer's memory capacity)

**Logging Interval:** 1 sec to 49 hrs (software selectable)

**Accuracy:** ±1.8°F (±1°C) ±0.1% of Reading

**Resolution:** 0.1°C or °F (all ranges)

**Power:** 2 AAA alkaline batteries

**Battery Life:** 100 hrs continuous

**Operating Temperature Range:** 0 to 50°C (32 to 122°F)

### Dimensions (OM-MT20 Module Only):

8.13 x 6.60 x 2.22 cm (3.2" W x 2.6" H x 0.875" D)

**Weight:** 227 g (8 oz)

## To Order (Specify Model Number)

Model No.	Price	Description
OM-MT20	\$199	Temperature acquisition module for handheld computers

Module is supplied with complete operator's manual and software.

**Ordering Example:** OM-MT20 temperature acquisition module for handheld computers and OMEGACARE<sup>SM</sup> 1-year extended warranty for OM-MT20 (adds 1 year to standard 1-year warranty), \$199 + 25 = \$224.



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