

TQM500

Microcomputer Recording Thermometer



Model 23003

The TQM 500 Microcomputer Recording Thermometer is designed with fast, accurate, and non-user subjective temperature measurement features. This leading edge technology thermometer has three unique operating options. The **measure mode** allows instantaneous temperature measurement on demand automatically logging the temperature data along with a sample number, current date, and time of the measurement data taken. Additionally you have an option to enter in an alpha numeric ID code to identify the data taken for HACCP documentation purposes. The TQM 500 also operates in an automatic data logging mode or in a simple continuous monitor mode which can be used as a calibration reference standard.

PATENT NO. 5,801,968

Temperature Range	-40°F to 450°F (-40°C to 233°C)
Accuracy	±.5°F (±0.3°C) from -40°F to 450°F (-40°C to 233°C)
Display	12 characters by 2-line alpha-numeric LCD
Data Entry	15 key, sealed membrane overlay
Battery	4 AA lithium batteries, 2000 hrs. intermittent use
Sensor Handle	Impact/cut resistant polyurethane
Sensor Cable	Highly flexible and rugged braided wire cable, 0.1"(2.54mm) Dx 4.5' (1.37m)L
Connector	7 pin shielded circular with locking nut (collar) retention
Sensor Type	RTD 0.125" x 5.0" (3.175mm x 127mm) stainless steel probe
Data Logging	2 sample per second, 12 bit converter
Data Memory	16k x 8 bit expandable, 1540 data records non-volatile, 20 year retention
Real Time Clock	24 hour time format, month/day/year, hour: minutes: seconds
Data Output	Serial data to computer or printer, RS-232c, 9600 baud, 3.5mm stereo jack to standard 25-pin D, female-socket, 5.7 foot cable
Calibration	NIST traceable certification, 4-point factory calibration stores memory

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