



Portable Handheld Data Logger

OM-2041
\$792



- ✓ **Input Signals:** K, E, J, T, 0 to 5 V, and 0 to 20 mA (Process Signals Need Input Adaptor)
- ✓ **Simultaneous 4-Channel Measurement and Display**
- ✓ **High/Low Alarms for Each Channel**
- ✓ **Computation:** Maximum/Minimum/Average
- ✓ **Logging Method:** Log Mode and Tag Mode
- ✓ **Data Processable Through a Personal Computer**
- ✓ **IP64 Protection**
- ✓ **“AA” Battery Power Supply**

The handy OM-2041 is a palm-size data logger capable of storing up to 10,000 data records per channel. Powered by either “AA” batteries or an AC adaptor, the OM-2041 works equally well as a portable or a fixed-location logger.

With the exclusive software, recording/recalling of data and programming of logging parameters can be done directly with the logger or through a personal computer.

Specifications Measuring Range

Thermocouple:

K: -200 to 1370°C (-328 to 2498°F)

E: -200 to 700°C (-328 to 1292°F)

J: -200 to 700°C (-328 to 1292°F)

T: -200 to 400°C (-328 to 752°F)

DC Voltage: 0 to 5 V (scale -9999 to 9999)

DC Current: 0 to 20 mA (scale -9999 to 9999)

Accuracy Rating

Thermocouple:

100°C or More: (±0.1% of measuring value +0.3°C)

100°C or Less: (±0.1% of measuring value +0.6°C)

DC Voltage: (±0.1% of measuring value +0.2% of range)

Reference Junction Compensation Accuracy:

±0.4°C (at ambient temperature 15 to 35°C)

±0.7°C (at ambient temp. -10 to 15, 35 to 50°C)

Temperature Drift: ±0.01%/°C of measuring range

Allowable Signal Source Resistance:

100 Ω (burnout over upper limit)

Input Resistance: DC voltage inputs over 1 MΩ



OM-2041, \$792, shown smaller than actual size.

Withstand Voltage Between Channels: 400 Vac

Measuring Cycle: 1 second/4 channels

Logging Interval:

1 second to 30 seconds (1 second steps)

1 minute to 24 hours (1 minute steps)

Logging Data:

Log Mode: 10,000 data records/channel

Tag Mode: 5500 data records/channel



Display: LCD with backlight
 Dot-matrix 128 x 64 dot (view area 41 x 29 mm)
Operation Key: 18-key including numeric key
Logging Method:
Log Mode: Logging data per cycle (20 points) in log area
Tag Mode: Logging data (20 points), then press the trigger in tag area

Display Contents: Measured value, alarm, maximum/minimum/average value, computation value, etc.

Other Functions: Clock (year, month, day/hour, minute, second), auto power-off, reading correction, backlight, buzzer, residual battery, residual memory, alarm, calculation, key lock, etc.

Communications: RS232C or USB

Power Supply: 4 "AA" batteries (included) or AC adaptor (100 to 240 Vac)

Battery Life: 500 hours or longer (at 25°C, 1-minute interval)

Backup Battery: Backup log data, setting and clock by lithium battery

Backup Battery Life:
 5 years or longer (at 25°C)

External Dimensions:
 159 H x 70 W x 33 mm D
 (6.2 x 2.7 x 1.3") excluding protrusions

Weight: Approx 300 g (10.5 oz) including batteries

Casing Material: Nylon ABS (antibacterial)

Ambient Temperature: -10 to 50°C (14 to 122°F)

Ambient Humidity: 10 to 80% RH (no condensation)

CE Approval: EN-61326, Class B (battery operation)

Protection: IP64 (when operated with waterproof connector)

Accessories: 4 "AA" batteries, wall-mount holder

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-2041-USB	\$792	4-channel handheld data logger with USB port
OM-2041-C2	792	4-channel handheld data logger with C2 port
OM-SPT-USB	50	Software with USB cable
OM-SPN-C2	50	Software with RS232C cable

Comes with complete operator's manual, beaded wire Type K probe for each input and 4 "AA" batteries.

Ordering Example: OM-2041-USB, 4-channel handheld data logger, \$792.

Accessories

Model No.	Price	Description
OM-9407	\$60	Current input adaptor
OM-9408	55	Voltage input adaptor
OM-AC	35	AC adaptor
CS-2220	60	Reference Book: Computer Networks



General Purpose Miniature Probes with Miniature Connectors

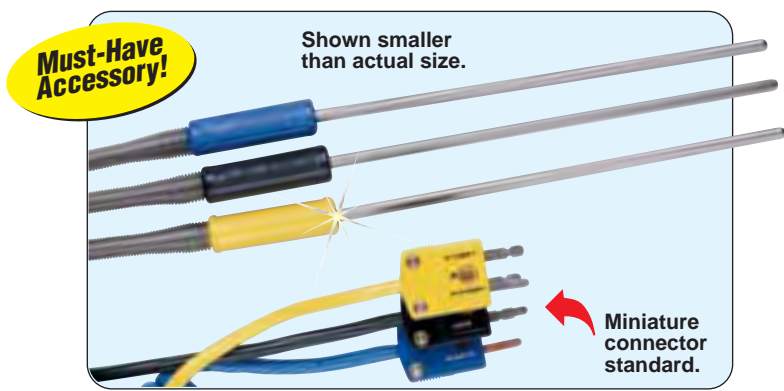
KTSS-HH

\$29



ANSI color code shown To order IEC color code see page A-9

MEETS OR EXCEEDS SPECIAL LIMIT OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1



- Works Great with Handheld Instruments
- 150 mm (6") Length Standard†
- 3.2 mm (1/8") OD 304 SS Sheath
- Molded Junction Rated to 220°C (425°F)
- Color-Coded to Calibration
- 300 mm (12") Retractable Cable Expands to 1.2 m (48")
- SMPW Male Connector Termination

The molded miniature probe works with most handheld thermocouple meters. Its color-coded retractable cable will stretch from 300 mm (12") to 1.2 m (48"). Grounded junction probes are suited for applications involving benchtop meters or oscillating machines. Calibration codes J, K, T, and E are available.

Thermocouple Alloy		Model No. ANSI Color Code	Price
Iron-Constantan	J	JTSS-HH	\$29
CHROMEGA®-ALOMEGA®	K	KTSS-HH	29
CHROMEGA®-Constantan	E	ETSS-HH	29
Copper-Constantan	T	TTSS-HH	29

Note: Hot end junction grounded.

† Other lengths are available, consult Sales department.

Ordering Example: KTSS-HH, Type K thermocouple probe, 150 mm (6") long, 3.2 mm (1/8") dia with 1' of RSC cable (which stretches to 5') with a molded, miniature male thermocouple connectors, \$29.



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• Flow and Level

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