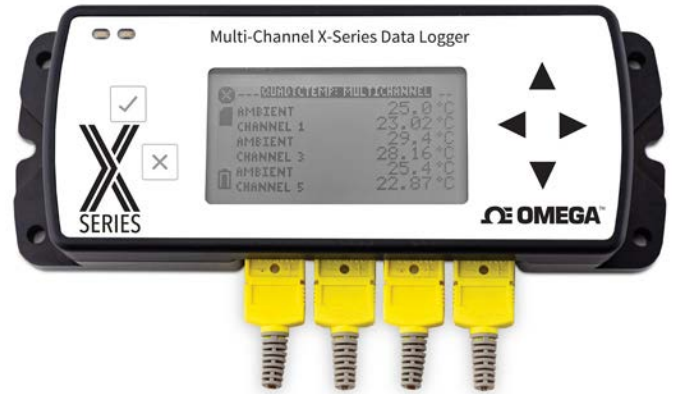


# X SERIES

## 4 and 8-Channel Thermocouple Data Loggers with LCD Screen



- Large Backlit LCD Display
- User-Friendly Front Panel
- Monitor Multiple Points
- Accepts thermocouple types J, K, T, E, R, S, B, N
- High speed downloading
- On-screen statistics
- External power or user replaceable battery
- Low battery indicator



The OM-CP-QUADTCTEMP2000-A2 and OM-CP-OCTTCTEMP2000-A2 are four and eight channel thermocouple data loggers with an LCD screen. The device features on-screen minimum, maximum and average statistics, as well as a user configurable screen that allows for any combination of channels to be displayed. The device accepts J, K, T, E, R, S, B and N type thermocouples.

The OM-CP-QUADTCTEMP2000-A2 and OM-CP-OCTTCTEMP2000-A2 are ideal for a variety of applications, whether it is remote temperature monitoring, or multiple points in a central location. Data from all channels is simultaneously logged and displayed on-screen for real-time monitoring. It can then be downloaded to a PC for further analysis.

### Specifications

INTERNAL CHANNELS	
Temperature Range	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature Resolution	0.01 °C (0.018 °F)
Calibrated Accuracy	±0.5 °C (0 °C to 50 °C) ±0.9 °F (32 °F to 131 °F)
REMOTE CHANNELS	
Remote Channel Thermocouple Types	J, K, T, E, R, S, B, N
Thermocouple Connection	Female subminiature (SMP)
Cold Junction Compensation	Automatic, based on internal channel
Maximum Thermocouple Resistance	1000 Ω, <100 Ω recommended

## Specifications

REMOTE CHANNELS			
Thermocouple	Range (°C)	Resolution	Accuracy*
J	-210 to +760	0.1 °C	±0.5 °C
K	-270 to +1370	0.1 °C	±0.5 °C
T	-270 to +400	0.1 °C	±0.5 °C
E	-270 to +980	0.1 °C	±0.5 °C
R	-50 to +1760	0.5 °C	±2.0 °C
S	-50 to +1760	0.5 °C	±2.0 °C
B	+50 to +1820	0.5 °C	±2.0 °C
N	-270 to +1300	0.1 °C	±0.5 °C

\*Thermocouple accuracy specified with 24 AWG diameter thermocouple wires.

GENERAL	
Memory (All channels enabled)	<b>4-channel:</b> 524,032 readings per channel <b>8-channel:</b> 262,016 readings per channel
Start Modes	Software programmable immediate start or delay start, up to 6 months in advance
Real Time Recording	May be used with PC to monitor and record data in real time
LEDs	1 per channel and 2 status LEDs

Reading Rate	4 Hz up to 1 reading every 24 hours
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	9 V lithium included, user replaceable
Battery Life	18 months typical with display off. 3 months typical with continuous display use.
Data Format	Date and time stamped °C, °F, K, °R, mV, V
Time Accuracy	±1 minute/month
Computer Interface	USB-A to micro USB cable (included); 460,800 baud
Operating System Compatibility	Windows XP SP3/7/8/10
Software Compatibility	Standard Software version 4.2.21 or later Secure Software version 4.2.18 or later
Operating Environment	-20 °C to +60 °C (-4 °F to +140 °F), 0 %RH to 95 %RH non-condensing
Dimensions	<b>4-channel:</b> 7.25 in x 2.70 in x 1.22 in (184.15mm x 65.58 mm x 30.99 mm) <b>8-channel:</b> 7.25 in x 2.70 in x 1.68 in (184.15mm x 65.58 mm x 42.672 mm)
Weight	<b>4-channel:</b> 15.3 oz (435 g) <b>8-channel:</b> 20.1 oz (569 g)
Enclosure	Black anodized aluminum
Approvals	CE

**BATTERY WARNING:** BATTERY MAY LEAK, FLAME OR EXPLODE IF DISASSEMBLED, SHORTED, CHARGED, CONNECTED TOGETHER, MIXED WITH USED OR OTHER BATTERIES, EXPOSED TO FIRE OR HIGH TEMPERATURE. DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

To Order	
P/N	Description
OM-CP-QUADTCTEMP2000-A2	4-Channel Thermocouple Data Logger with LCD screen and USB-A to micro USB cable
OM-CP-OCTTCTEMP2000-A2	8-Channel Thermocouple Data Logger with LCD screen and USB-A to micro USB cable
OM-CP-BAT103	Replacement 9V lithium battery