

8-Channel Portable Thermometer/Data Logger with SD Card Data Recorder

RDXL8



- ✓ 127 mm (5") Display
- ✓ 8 Configurable Isolated Inputs for Thermocouples and DC Millivolts
- ✓ SD Card, Real-Time Data Logger
- ✓ Graphic Display of Each Input
- ✓ Programmable Hi or Lo Alarm for 8 Inputs
- ✓ 2 GB SD Card and Software Included
- ✓ Built-In Calendar Clock
- ✓ USB Communication with PC for Downloading Data
- ✓ Stand-Alone Operation Through Graphical Display



Top view showing 8 isolated inputs.



RDXL8CD

The RDXL8 with its high resolution and fast analog to digital converter will meet the data logging requirements in most industrial applications. The ability to show measured values and to analyze them on its graphical display eliminates the need to download collected data to a computer for further analysis. The RDXL8 is the perfect choice for remote logging, and ideal for use as a mobile measuring device for the industrial environment. The RDXL8 series multipoint data logger is valuable in the industry because of their ability to perform integrated recording, profiling and archiving functions. They offer display versatility and flexible data storage.

Specifications

Battery Type:

RDXL8: Eight 1.5V "AA" alkaline batteries (included)

RDXL8CD: One 11.1V lithium battery (included)

AC Adaptor:

DC: Regulated 12V/300 mA output

AC: 110V

Power Consumption:

100 mA: With backlight

70 mA: Without backlight

Cold Junction

Compensation Accuracy:

±0.5°C/±0.9°F

Temperature Coefficient:

0.01% of FS/°C

Isolated Input Protection

Between Any Two Inputs: 350 Vp-p

Dimensions:

257 L x 155 W x 57 mm Dia (10.1 x 6.1 x 2.2")

Weight: 1160 g (40.9 oz) (with batteries)

Operation Environment:

0 to 50°C, 85% RH

Storage Environment:

-20 to 60°C, 75% RH



Input	Range °C	Accuracy °C	Range °F	Accuracy °F
K	-200 to -100	±2	-328 to -148	±3.6
	-100 to 999	±0.05% ±1	-149 to 999	±0.05% ±1.8
	1000 to 1370	±0.2% ±1	1000 to 2498	±0.2% ±1.8
J	-200 to -100	±2.5	-328 to -148	±4.5
	-100 to 100	±1.5	-148 to 212	±2.7
	100 to 999	±0.05% ±1	212 to 1832	±0.2% ±1
E	-150 to -100	±2	-238 to -148	±3.6
	-100 to 760	±0.05% ±1	-148 to 1400	±0.2% ±1
T	-200 to -100	±1.5	-328 to 148	±2.7
	-100 to 400	±0.1% ±0.5	-148 to 752	±0.1% ±0.9
R/S	0 to 100	±5	32 to 212	±9
	100 to 300	±3	212 to 572	±5.4
	300 to 999	±0.05% ±2	572 to 1000	±0.05% ±3.6
	1000 to 1600	±0.1% ±2	1000 to 2912	±0.1% ±3.6
N	0 to 999	±0.1% ±1	32 to 999	±0.1% ±1.8
	1000 to 1300	±0.2% ±1	1000 to 2372	±0.2% ±1.8
L	-200 to 900	±0.1% ±1	-328 to 1652	±0.2% ±1
U	0 to 600	±0.1% ±1	32 to 1112	±0.2% ±1
	600 to 999	±0.05% ±2	1112 to 1831	±0.05% ±3.6
B	1000 to 1760	±0.1% ±2	1832 to 3200	±0.1% ±3.6
	0 to 999	±0.1% ±1.5	32 to 999	±0.1% ±2.7
C	1000 to 1760	±0.2% ±1.5	1000 to 3200	±0.2% ±2.7
	mV	-60 to 60	±60 uV	-60 to 60



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order Visit omega.com/rdxl8 for Pricing and Details

Model No.	Description
RDXL8	Multi-input thermometer/data logger, monochrome
RDXL8CD	Multi-input thermometer/data logger, color version

Accessories

Model No.	Description
CAL-3-RDXL8	3 point calibration for each input, total 24 points
RDXL800-PRINTER	Thermal printer for RDXL8 only
RDXL800CD-PRINTER	Thermal printer for RDXL8CD only
RDXL800-PAPER	Thermal paper (2 rolls)
2 GB-SD	Spare 2 GB SD card

Comes complete with eight 1.5V "AA" alkaline batteries, AC adaptor, USB cable, software CD, 2 GB SD card, eight Type K beaded wire thermocouples, carrying case and operator's manual.

Note: RDXL8 comes with eight 1.5V "AA" alkaline batteries; RDXL8 CD comes with one 11.1V lithium battery.

Ordering Examples: RDXL8, multi-input thermometer/data logger. OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.