

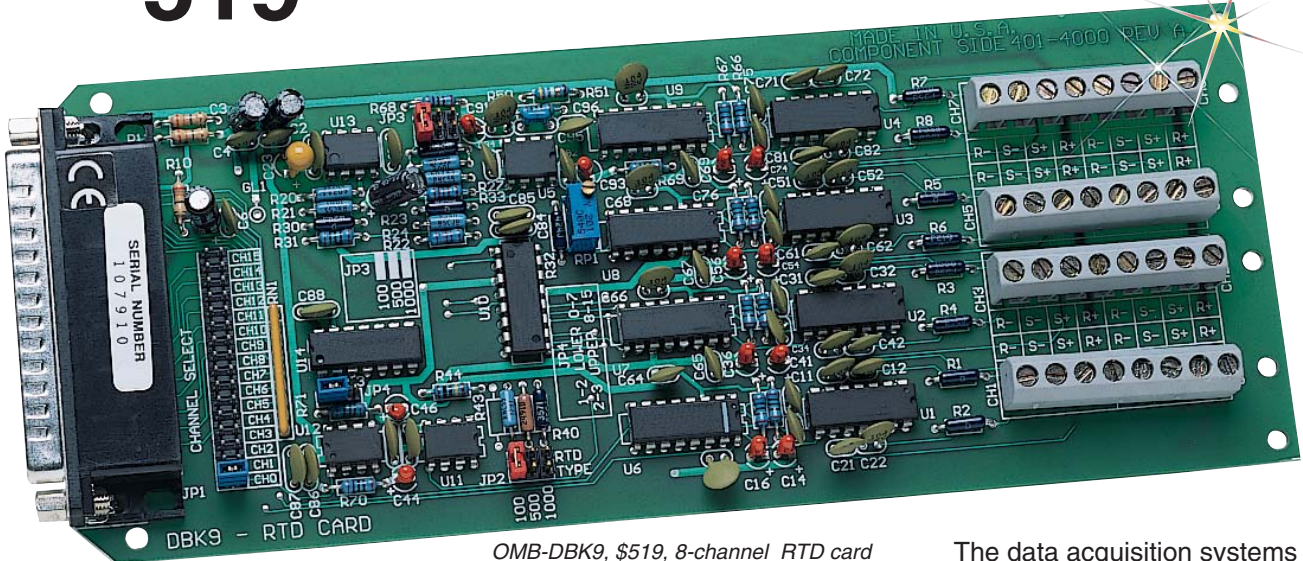
OMB-DBK9

8-Channel RTD Measurement Card for OMB-LOGBOOK and OMB-DAQBOARD-2000 Series



Model OMB-DBK9

\$519



OMB-DBK9, \$519, 8-channel RTD card accommodates three- and four-wire RTD's, shown smaller than actual size

- ✓ Provides 8 RTD Channels
- ✓ Supports 3- and 4-Wire RTD's
- ✓ Supports Three Ranges of RTD Resistance
- ✓ Features Resolution Over the Full-Range of -200 to 850°C Span

The OMB-DBK9 is an eight-channel RTD (resistance temperature device) measurement card for OMEGA's OMB-LOGBOOK and OMB-DAQBOARD-2000 Series data acquisition systems. The OMB-DBK9 supports up to 8 channels of 3- or 4-wire RTD's with resistances of 100, 500, or 1000 Ohm. RTD-type selection is made via a jumper on the card that configures all 8 channels.

Excitation Sources

The OMB-DBK9 provides bias for the RTD with eight constant current sources derived from the OMB-LOGBOOK or OMB-DAQBOARD-2000 Series Sinternal power supply.

Input Amplifier

The OMB-DBK9's instrumentation amplifier provides both a high and low resolution gain for each of the standard RTD types.

Software

Included software auto-matically controls the OMB-DBK9 to effortlessly supply you with correct temperature measurements. You need only indicate which RTD type is attached to each channel. Thereafter, whenever a measurement is requested from a channel, the entire measurement procedure including linearization occurs automatically.

The data acquisition systems are shipped with several Windows applications including a datalogging application that allows you to acquire RTD's and other measurements via a spreadsheet-style user interface. Also shipped is eZ-PostView, a post-acquisition application that permits you to display acquired data previously saved to a file.

Specifications

Connector: DB37 male, mates with P1 pinout on an OMB-LOGBOOK, OMB-DAQBOARD-2000; screw terminals provided for signal connections

Configurations: 3- or 4-wire

Alpha: 0.00385

Inputs: 8 channels

Temperature Ranges:

100, 500 or 1000 Ohm:
-200 to 850°C

RTD Excitation Current:

100 Ohm 500 µA
500 Ohm 227 µA
1000 Ohm 160 µA

Accuracy:

100, 500 or 1000 Ohm: ± 1.5°C

Resolution:

100, 500 or 1000 Ohm: 0.3°C

Cables: Use OMB-CA-37-x with OMB-LOGBOOK and OMB-DAQBOARD-2000 Series

AVAILABLE FOR FAST DELIVERY!

| To Order (Specify Model Number) | | |
|---------------------------------|-------|--------------------------|
| Model Number | Price | Description |
| OMB-DBK9 | \$549 | 8-Channel RTD Input Card |

Ordering Example: OMB-DBK9 8-channel RTD input card, \$549.

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