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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

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Expert team | Trust guarantee | 100% satisfaction

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Find the *OMEGA RD8812CF* at our website: ***Click HERE***

Paperless Recorder/ Data Acquisition System

RD8800 Series Starts at

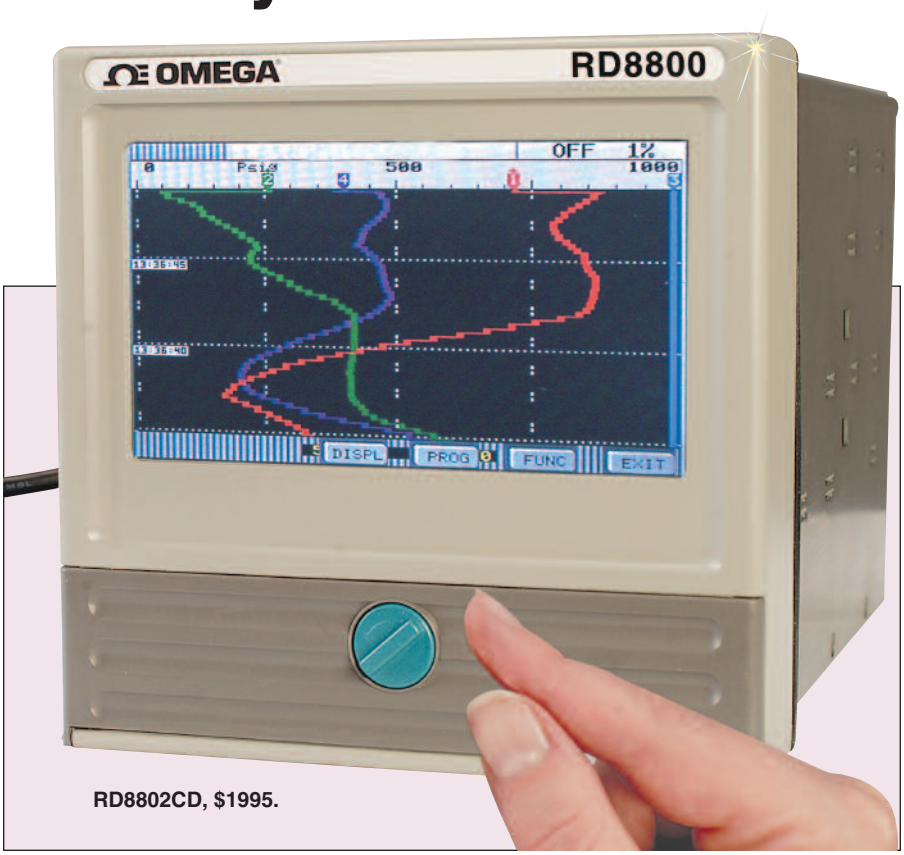
$1395

MADE IN USA | 2 YEAR WARRANTY | CE | UL

- 2, 4, 6 or 12 Isolated Analog Inputs
- 127 mm (5") Bright LCD or 142 mm (5.6") TFT Color Graphic Display with Touchscreen Control
- Record Data on 3½" Disks or CompactFlash™ Memory Cards
- Windows Based Software (Optional)
- Math Functions Include +, -, x, ÷, Logarithms, Totalization, Powers, Averages, Timers and Custom Equations
- Independent Recording Rates for Each Channel
- Set Up and Automatically Search Data Files by Signal Values, Alarms, or Date/Time Parameters
- Alarm/Event Information
- 5 Alarms (High, Low, and Rate of Change) per Channel

RD8800-SW Windows® Based Software

- Direct Data Transfer
- Simultaneous Multi-File Viewing
- Multi-Drop up to 31 Units Via RS485 with MODBUS Protocol
- Remote Data Acquisition and Recorder Configuration
- Search, Combine, Analyze, Print, and Export Data Files to Other Programs



RD8802CD, $1995.

Specifications

Input Signals

Thermocouple: J, K, T, E, R, S, B, C, N
RTD: 10 Ω Cu, 100 Ω
Pt 385: 100 Ω Pt 392, 200 Ω
Pt 385: 200 Ω Pt 392, 120 Ω Ni 385
DC Voltage: Linear, square root, logarithmic
DC Current: 0/4 to 20 mA, 10 to 50 mA

Input Accuracy

Thermocouple: ±1.5°C for J, K, T, E, N (Nicrosil-Nisil); ±3°C for R, S and C; ±4°C for B
RTD: ±0.5°C or 0.2%
DC Voltage: ±0.06% for ±150 mV, ±1.25V, ±2.5V; ±0.1% for ±12.5V, ±25V
Current: ±0.15% with external 50 Ω 0.1% shunt
Input Resolution: 0.0015% of full scale, 16-bit
Input Impedance: >10 MΩ on 150 mV, 1.25V, 2.5V, >100 K on 5, 12.5, 25V ranges
Max Input: 50 Vdc
Scan Rate: All points measured every 125 ms
Isolation: 300 Vdc or peak Vac between channels
Common Mode Noise Rejection: >100 dB, 50/60 Hz
Normal Mode Noise Rejection: >50 dB, 50/60 Hz
EMC Compliance: Meets or exceeds the requirements of EMC 89/336/EEC

Recording

Recording Rates: User programmable from 8 samples per second to 1 sample every 10 min
Format: Windows compatible file system; proprietary file structure
Storage Capacity: 700,000 samples for a 1.44 megabyte 3.5" disk or 64 MB samples on 128 MB flash card
Internal Memory: 1 MB RAM (non-volatile)

Display

Display Type Mono: CCFL backlit STN liquid crystal display 127 mm (5.0")
Resolution Mono: 240 H x 128 V pixels
Display Type Color: CCFL backlit active matrix TFT liquid crystal display 142 mm (5.6")
Resolution Color: 320 H x 234 V pixel
Display Modes: Graphics (trending, vertical or horizontal), bar graphs (vertical or horizontal), digital meter, alphanumeric alarm and event data or combinations on a split screen; review trend data; search by time, date or signal value

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Display Update Rate: 1 sec; data update rate programmable from 1 to 60 sec
Virtual Chart Speed: Programmable, 10 mm/hr to 15,000 mm/hr (0.5 in/hr to 600 in/hr); chart speed is independent of storage rate
Virtual Chart Scales: 2 sets of 8 scales
Display Windows: Time/date, graphics (bars, large digital, trends), disk status, system status, menu button bar, unit identification, alarms/events
Buffer: Internal buffer enables real time browsing of historic chart data independent of recorded data
Configuration: Touchscreen control menu with button bar or simple programming on IBM compatible PC with optional software
Software: Spreadsheet export utility software included; graphical software optional; Windows 95/98/ME/2000/XP/NT; on 3½" disk

Options

Alarm Contacts: 3 or 6 isolated form C, 3 A @ 250 Vac or 26 Vdc
Remote Inputs: 3 isolated inputs user selectable as dry contact or 5 to 12 Vdc activated; inputs share a common terminal; configurable for chart control, alarm, acknowledge/reset, event markers, totalizer reset or logic input
Communications: ESD protected RS232 with full hand shaking; supports modem or isolated
RS485 Network Port: Serial protocol, MODBUS® RTU or MODBUS ASCII
Ethernet: 10BaseT

Power

Power Requirements: 100 to 240 Vac, 50/60 Hz, or 125 to 300 Vdc, 35 VA max
Power Fail Protection: Programmed parameters stored in non-volatile memory; clock battery backed; detention time without power >12 months

Environmental

Operating Temperature: 5 to 40°C (41 to 104°F); floppy disk, -10 to 50°C (14 to 122°F); card
Operating Humidity: 10% to 80% RH non-condensing
Wash Down: IP65 front panel only
Safety: Meets UL-311-1 and EN61010-1
Dimensions: 144 L x 144 W x 236 D mm (5.669 x 5.669 x 9"); panel cutout: 138 L x 138 W mm (5.43 x 5.43")
Weight: Approx 3.2 kg (7 lb)

OMEGACARE℠ Extended Warranty Program

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



Wireless Conversion Receivers Available. For Details Visit omega.com/mwtc-rec6

RD8800-SW graphical software, $199, sold separately.

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

Model No.	Price	Description
RD8802MD	**$1395**	Recorder, 2 input, monochrome
RD8804MD	**1495**	Recorder, 4 input, monochrome
RD8806MD	**1595**	Recorder, 6 input, monochrome
RD8812MD	**1895**	Recorder, 12 input, monochrome
RD8802CD	**1995**	Recorder, 2 input, color
RD8804CD	**2095**	Recorder, 4 input, color
RD8806CD	**2195**	Recorder, 6 input, color
RD8812CD	**2495**	Recorder, 12 input, color

Options

Model No. (Field Installable)	Price	Description
RD8800-AL3	**$195**	Alarms, 3-relay contacts, 3 control inputs
RD8800-AL6	**295**	Alarms, 6-relay contacts, 3 control inputs
RD8800-C24	**150**	Communications, RS232/RS485
RD8800-EI	**150**	Communications, Ethernet

Accessories

Model No.	Price	Description
RD8800-SW	**$199**	Software, graphical
RD8800-SWEI	**149**	Software to support ethernet option and multiple recorders (no graphics)
RD8800-256CF	**40**	Memory card, 256 MB compact flash
RD8800-512CF	**60**	Memory card, 512 MB compact flash
RD8800-CR-3-2	**249**	Card reader, cable and software

Comes complete with 3½" disk drive, operator's manual, utility software and AC power cord for connection to the standard IEC320 AC power supply connector (similar to PC's) on the rear of the recorder.

***Note:** To order recorder with compact flash data storage in place of the 3½" disk drive, replace **"D"** at end of model number with **"F",** same price. To special order AC power screws in place of the cord, add **"-ST"** suffix and **$25** to the price. To special order 18 to 30 Vdc power option, add suffix **"-DC"** and add **$225** to price.*
Options may be shipped installed in the recorder by adding option suffix and price to base model.
Ordering Examples: RD8802MD** monochrome 2-input recorder and **RD8800-AL3,** alarms, 3 relay contacts, and 3 control inputs, $1395 + 195 = **$1590.
OCW-3,** OMEGACARE℠ extends standard 2-year warranty to a total of 5 years ($350) $1590 + 350 = **$1940.
RD8806MD,** recorder, 6 input, monochrome, **$1595.

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Measurement Instruments, RTD Probes, Elements
nblies, Temperature & Process Meters, Timers and
Temperature and Process Controllers and Power
Devices, Thermistor Elements, Probes and
s, Thermocouples Thermowells and Head and Well
s, Transmitters, Wire

and Level

y Indicators, Doppler Flowmeters, Level
ent, Magnetic Flowmeters, Mass Flowmeters,
s, Pumps, Rotameters, Turbine and Paddle Wheel
s, Ultrasonic Flowmeters, Valves, Variable Area
s, Vortex Shedding Flowmeters

nd Conductivity

ity Instrumentation, Dissolved Oxygen
tation, Environmental Instrumentation, pH
and Instruments, Water and Soil Analysis
tation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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