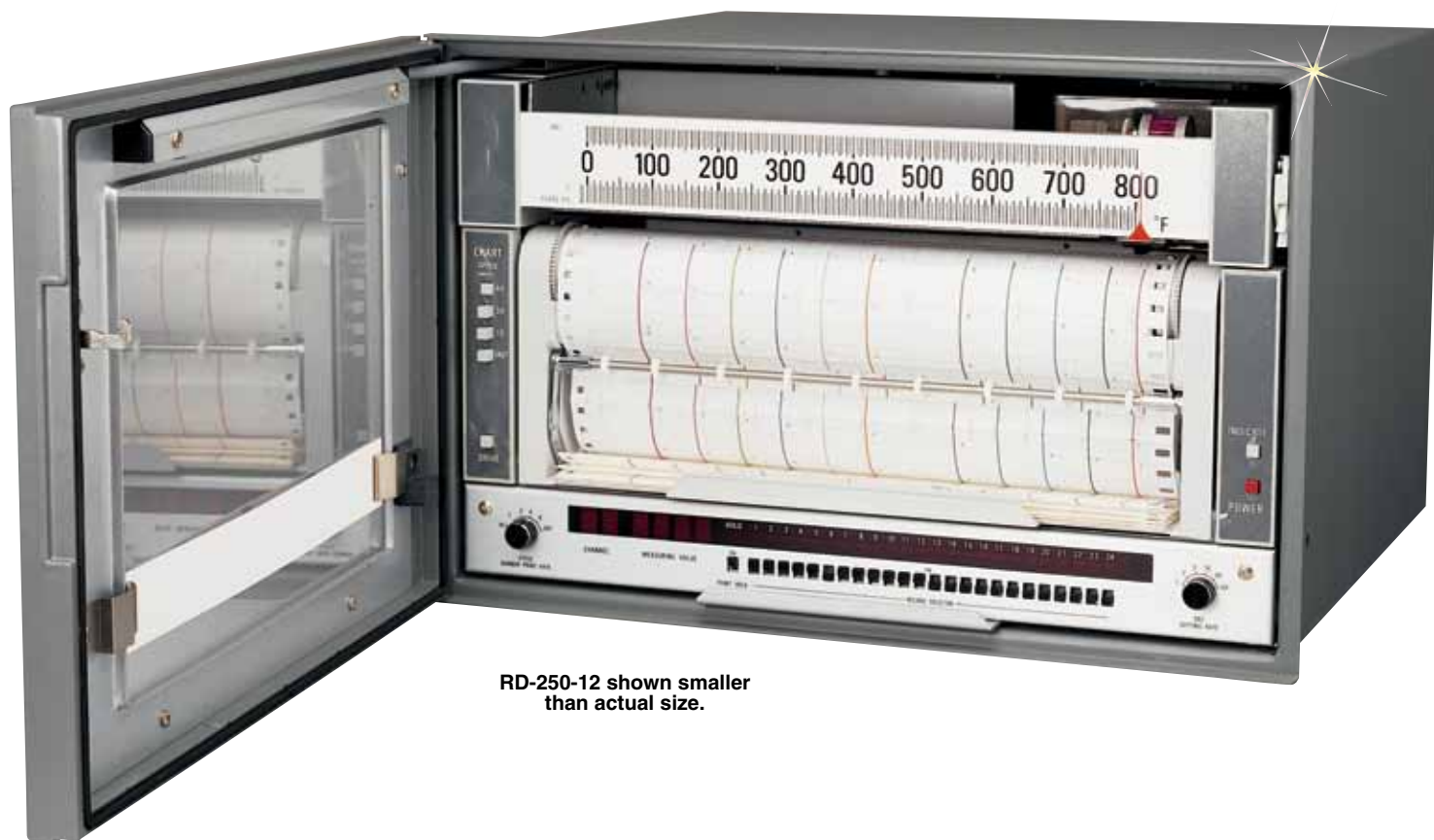


Precision Electronic Recorders

RD-250 Series



RD-250-12 shown smaller than actual size.

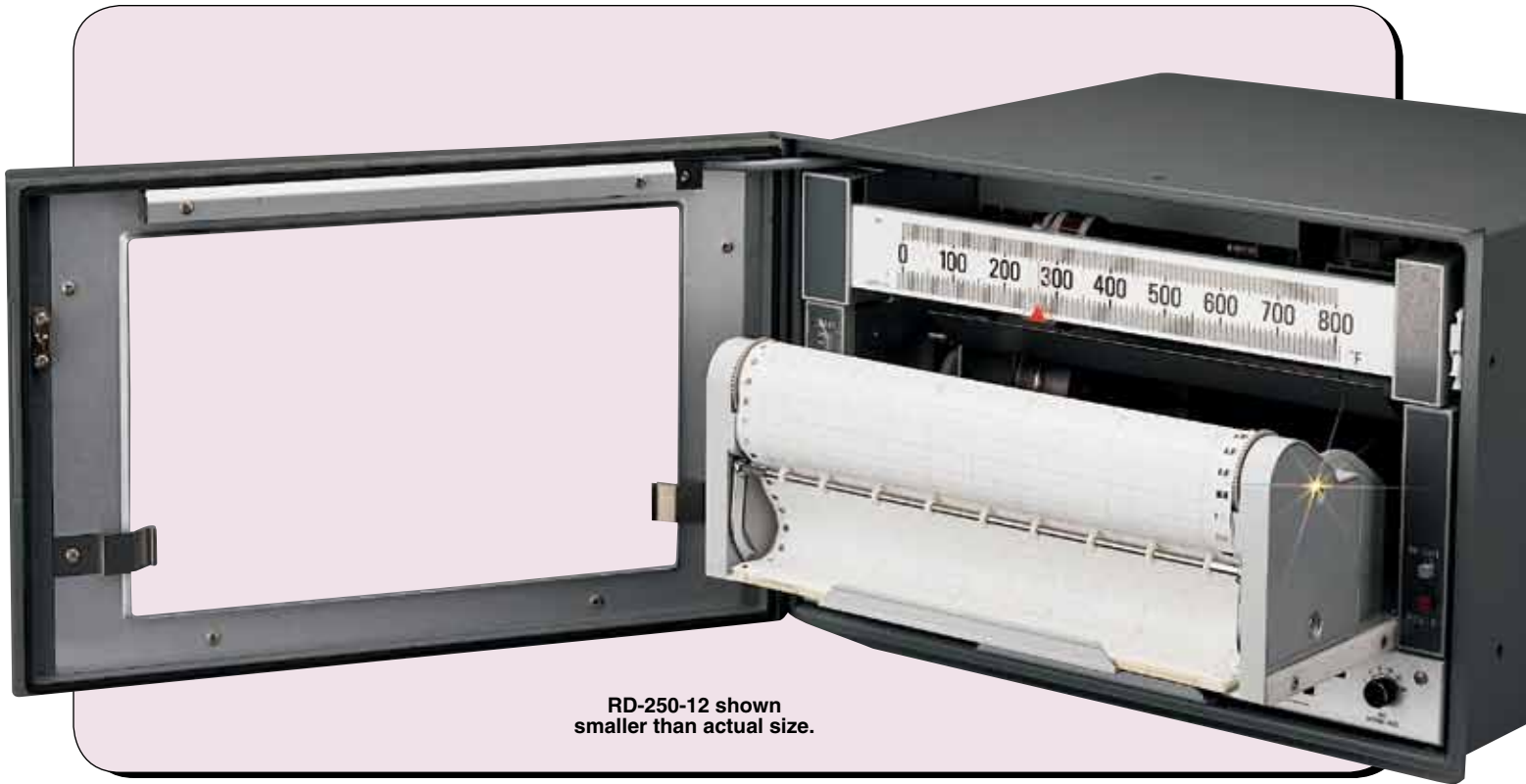
- ✓ J, K, T, E, or R Thermocouple, RTD, or Voltage Input
- ✓ Up to 12 Channels
- ✓ Continuous and Multipoint Models
- ✓ Linearized Temperature Input Scale
- ✓ Rugged Design
- ✓ High Accuracy
- ✓ Color-Coded Display

Applications

- ✓ Laboratories
- ✓ Processing Plants
- ✓ Industry
- ✓ Research Labs
- ✓ Aerospace

Visit us online for options, accessories and ordering information.

The Model RD-250 is available as either a single-channel continuous recorder or as a multipoint recorder in 6 or 12-channel models. A 3½ digit LED display of temperature is standard on the 12-channel model. Multipoint models offer a variable dotting rate as a standard feature. A three-speed chart drive of 15, 30, 60 mm/hr (1 mm = 0.03937") is provided on all models with a momentary fast forward (60 cm/min) to advance the chart to the desired time line.



RD-250-12 shown smaller than actual size.

Specifications

Measuring System:

Self balancing potentiometer

Recording Mode: 1-channel continuous, 6 or 12-multipoint

Balancing Speed: Continuous type: ≈ 0.3 sec, multipoint type: ≈ 0.5 sec

Chart Paper: Z-fold, effective width 250 mm (10") x 15 m (49')

Dotting Interval: 6 and 12 multipoint type—5 sec at 60 Hz; 6 sec at 50 Hz; 24-multipoint type—selectable 1, 2, 5, 10, 30 and 60 sec

Accuracy: Thermocouple or RTD Input $\pm 0.5\%$ FS, Vdc $\pm 0.25\%$ FS

Deadband: $< 0.1\%$ FS

Chart Speeds: 15, 30, 60 mm/hr, and fast, 60 cm/min (1 mm = 0.03937")

Ambient Temperature: 15 to 40°C (59 to 104°F)

Case: Steel plate with diecast aluminum front door

Illumination: Fluorescent lamp

Power Supply: 120 Vac, 50/60 Hz

Input Impedance: Vdc 4 mV \leq span voltage ≤ 500 mV 8 M Ω 800 mV $<$ span voltage ≤ 100 mV 1 M Ω ; thermocouple, approx 8 M Ω

Dimensions:

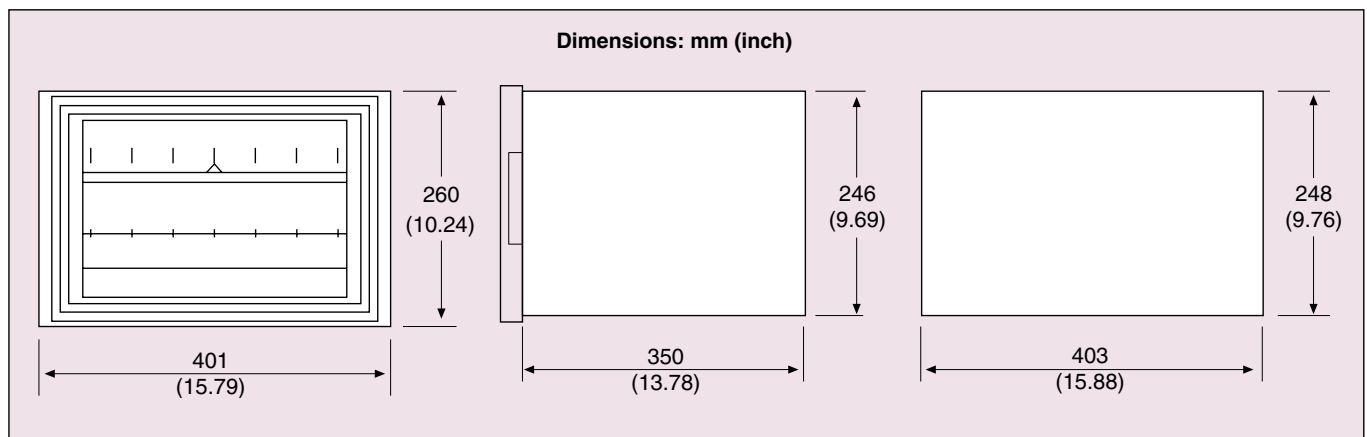
260 H x 401 W x 373 mm D
(10.24 x 15.79 x 14.68")

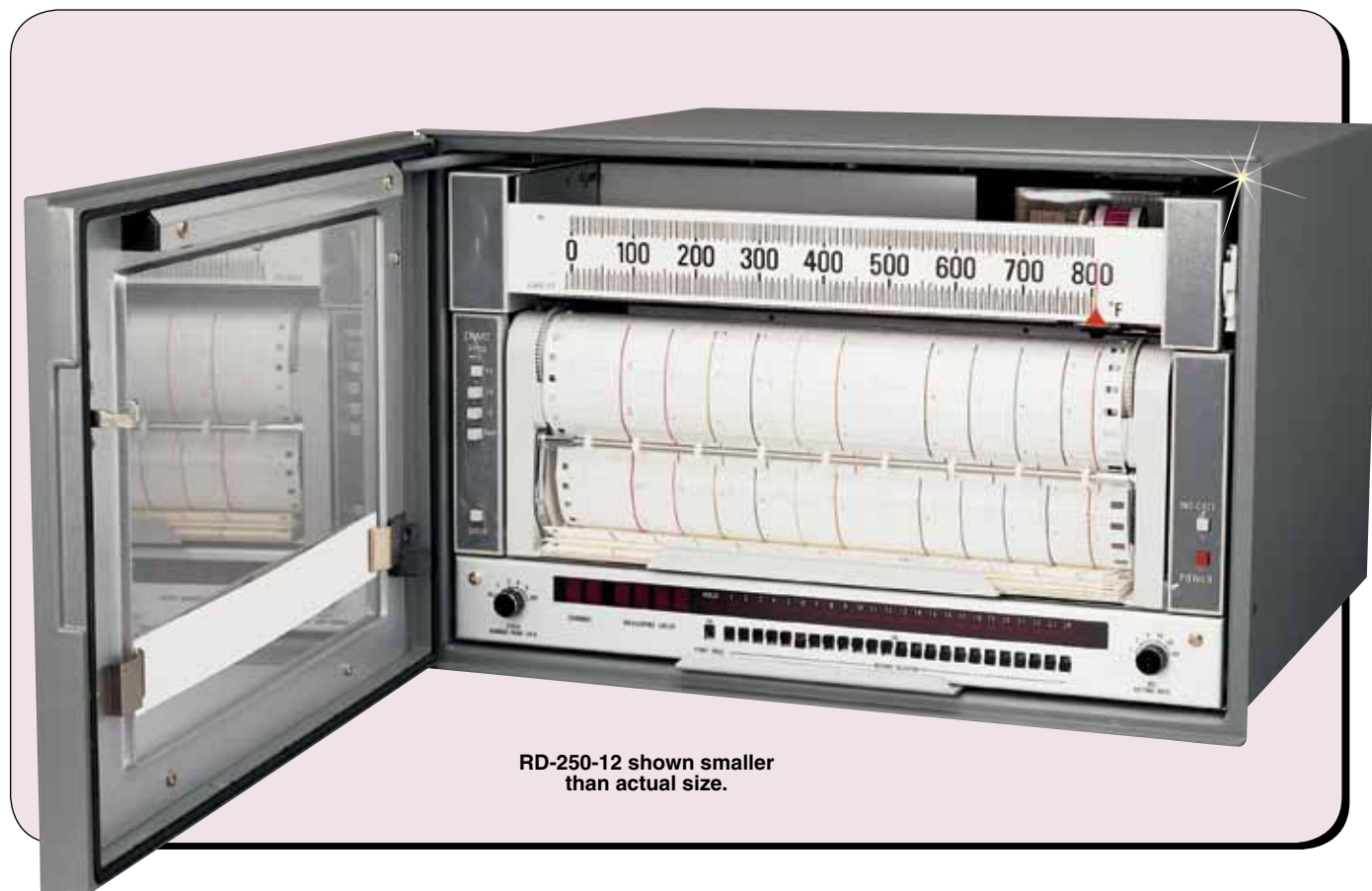
Weight:

1-Pen Model: 16.5 kg (36.3 lb)

Multipoint 6 to 12-Channel: 17.5 kg (38.5 lb)

Multipoint 12-Channel: 21 kg (46.2 lb)





RD-250-12 shown smaller than actual size.

Ordering Examples for Model RD-250

1. **RD-250-01-K-0-1000F** is the single channel continuous recorder calibrated for Type K thermocouples with a temperature range of 0 to 1000°F.
2. **RD-250-12-MV-0-100** is the 12-channel multipoint recorder calibrated for 0 to 100 mV recording.

The 250 mm (10") recording surface provides the viewer with an easy-to-read display, and the steel case with diecast aluminum door makes the unit capable of withstanding harsh, industrial environments.

The chart is illuminated by fluorescent lamp.

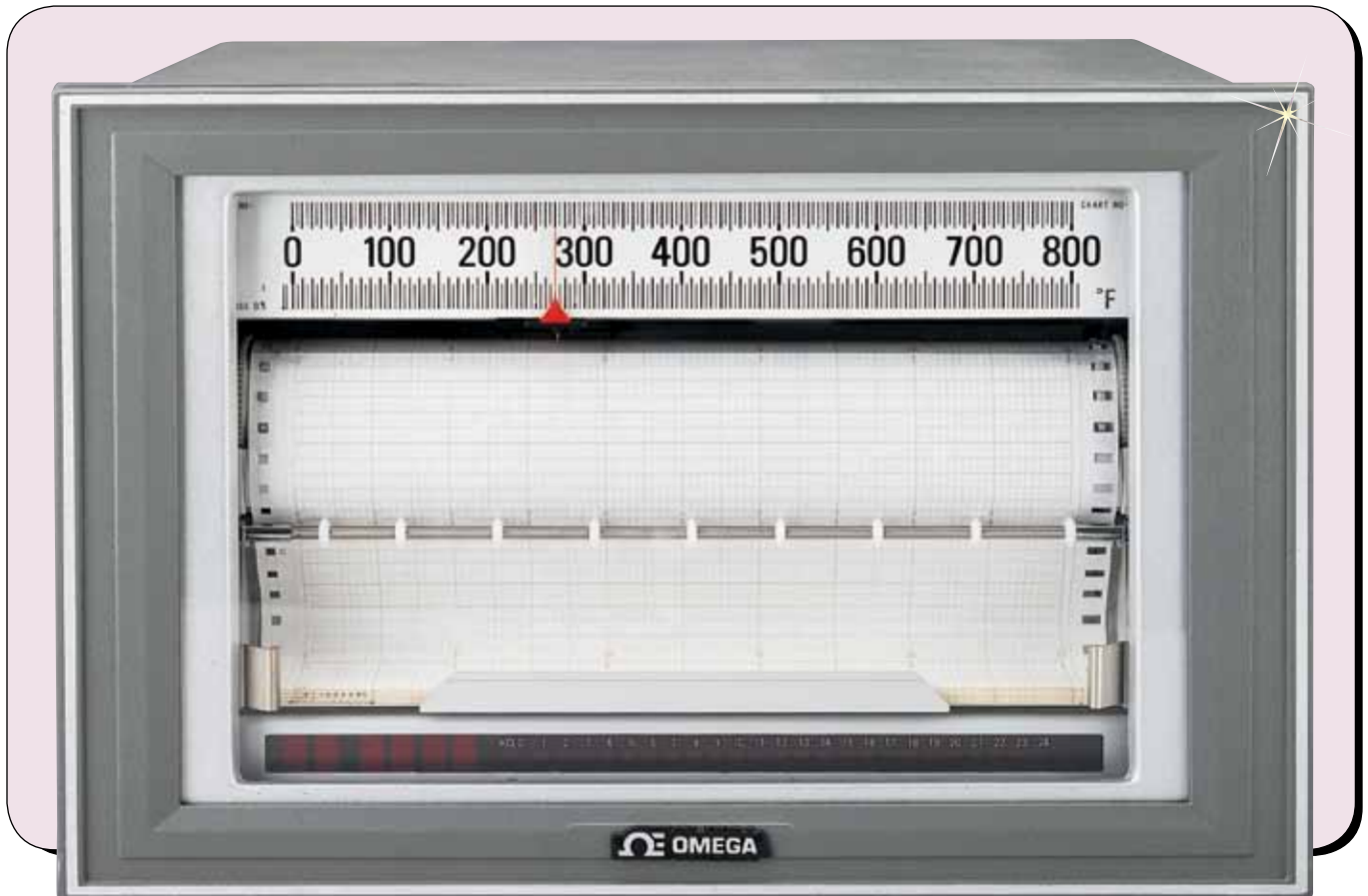
Options

Ordering Suffix	Description
-A	High and low limit alarms
-C	12 chart speeds:/ 15-30-60 mm/hr, mm/min, cm/hr, cm/min

Accessories

Model No.	Description
RD-250-CP-(*)	Z-fold strip chart paper 250 mm x 15 m (10" x 49') (package of 1)
RD-250-PEN-RD	Cartridge pen, red (box of 5)
RD-250-PEN-GR	Cartridge pen, green (box of 5)
RD-250-PEN-BL	Cartridge pen, blue (box of 5)
RD-250-PEN-BR	Cartridge pen, brown (box of 5)
RD-250-PEN-BK	Cartridge pen, black (box of 5)
RD-250-PAD-24	24-channel ink pad wheel (box of 1)
180A-PAD-06	24-channel ink pad, 6-channel
180A-PAD-12	24-channel ink pad, 12-channel
180A-INK-06	Ink, 6-channel box of 6 colors
180A-INK-12	Ink, 12-channel box of 12 colors

*Insert range codes.



RD-250-12 shown smaller than actual size.

Includes

- ✓ Paper
- ✓ Complete Manual
- ✓ Pen (for Continuous Model) or Pad (For Multipoint Model)

Input Modules (One Required Per Recorder)

Model No.	Description
RD-250-K-0-1000F	0 to 1000°F
RD-250-K-0-1600F	0 to 1600°F
RD-250-K-0-2400F	0 to 2400°F
RD-250-K-0-800C	0 to 800°C
RD-250-K-0-1000C	0 to 1000°C
RD-250-J-0-500F	0 to 500°F
RD-250-J-0-800F	0 to 800°F
RD-250-J-0-400C	0 to 400°C
RD-250-T--100-400F	-100 to 400°F
RD-250-T-0-200C	0 to 200°C
RD-250-E-0-1000F	0 to 1000°F
RD-250-E-0-500C	0 to 500°C
RD-250-R-0-1600C	0 to 1600°C
RD-250-RTD-0-200C	0 to 200°C
RD-250-MV-0-100	0 to 100 mV

Note: Input modules include chart scale and package of paper. Modules may be ordered separately, but are typically included as suffix to recorder part number to have unit shipped complete. Other ranges available. Consult Sales Department.

To Order

Model No.	Description
RD-250-01*	1-channel
RD-250-06*	6-channel multipoint
RD-250-12*	12-channel multipoint

* Requires 1 input module per recorder from input module table. To order recorder with module installed, include input module type and range as suffix in recorder part number.

For 230 Vac power, add suffix "-230V" to model number; no additional charge.

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

Ordering Example: RD-250-06-K-0-1000F, 6-channel multipoint recorder with input range module for K thermocouple 0 to 1000°F and RD-250-CP-0-1000, extra chart paper.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.