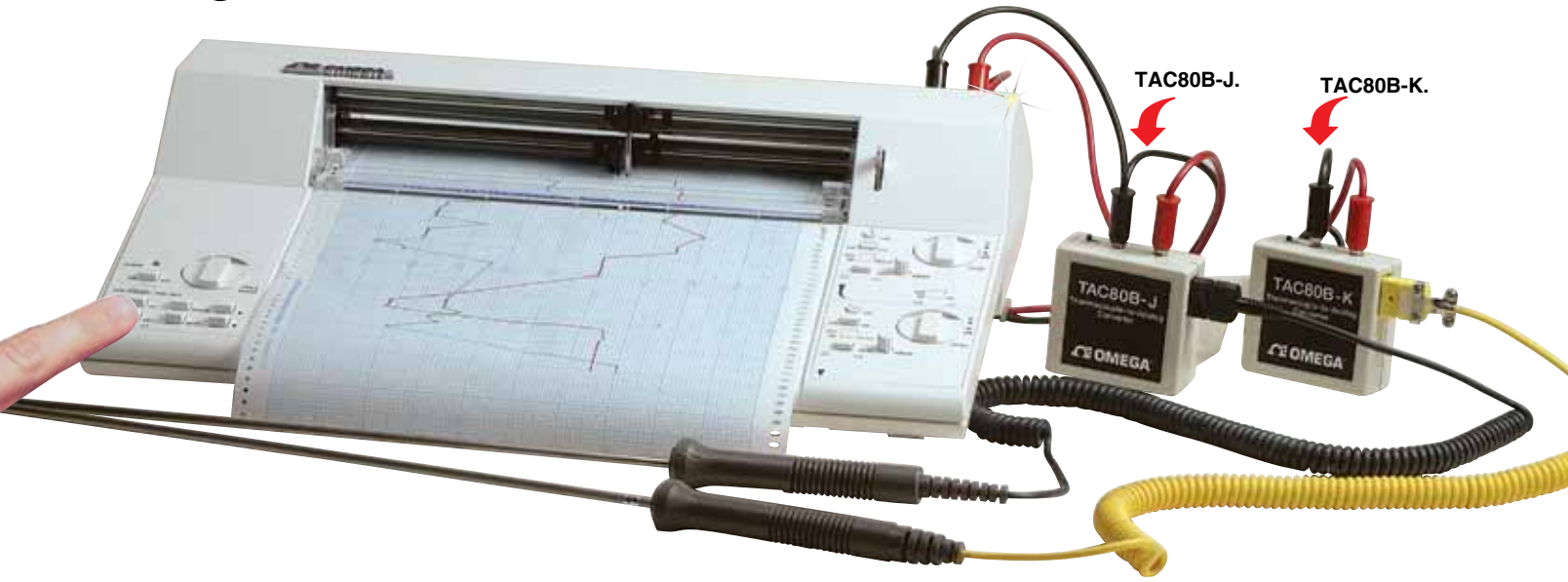


200 mm (8") Flatbed Recorders

Single and Dual Channel



RD45A-EPL with optional TAC-80B thermocouple-to-analog converters, and JHIN-18G-RSC-12 and KHIN-18G-RSC-12 thermocouple probes. Shown smaller than actual size.

RD45A-EPL



- ✓ 14 Input Ranges from 1 mV to 20 Vdc
- ✓ Selectable Left or Right Side Zero Position
- ✓ Differential Inputs
- ✓ Electric Pen Lift and Remote Control Options
- ✓ Pen Offset Compensation Optional

The RD45A single-channel and RD46A dual-channel flatbed recorders are ideal instruments for use in research, development and production, as well as in service and education applications. Designed for ease of use, these recorders have an ergonomic shape which allows the user to easily write comments on the chart, even next to the pen.

The wide, 200 mm (8") chart is capable of recording measurements from 1 mV full scale to 20 V. Chart speeds from 0.1 mm/min to 20 mm/

sec (1 mm = 0.03937") are available. As an option, pen offset compensation is available. This eliminates the recording offset caused by the distance between the 2 pens.

Specifications

Input Ranges: 1, 2, 5, 10, 20, 50, 100, 200, 500 mV; 1, 2, 5, 10, 20 Vdc

Variable Range:

From 40 to 100% FS

Span Accuracy: 0.3% FS

Non-Linearity: 0.3% FS

Deadband: 0.2% FS

Response Time:

0.2 sec for 5 to 95% FS

Input Impedance: 1 MΩ dc; 10 kΩ in series with 1.5 μF for ac

Input: Floating, non-symmetric

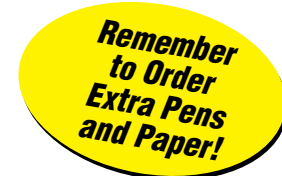
Input Terminals: 2 safety terminals

Max Input Voltage: 42 Vdc/30 Vac max at input terminals; (personal safety limits)

CMRR: 130 dB

Zero Adjustment: -50 to 150% FS

Zero Position: User-selectable, left or right side



Zero Drift: 1 μV/°C max

Chart Speeds: 0.1, 0.2, 0.5, 1, 2, 5, 10, 20 mm/min or mm/sec (1 mm = 0.03937")

Chart Paper: 200 mm W x 25 m L (7.87" x 82")

Chart Step Size: 0.05 mm (0.002")

Chart Timebase Accuracy: ±50 ppm

Pen Lift Option: Electronic; automatic pen lift after 30 sec if chart is not advanced

Operating Ambient Range:

-10 to 40°C (14 to 104°F);

35 to 85% RH, non-condensing

Storage Temperature Range: -40 to 75°C (-40 to 167°F)

Power: 110/220 Vac, switchable;

-15/+20%; 50/60 Hz

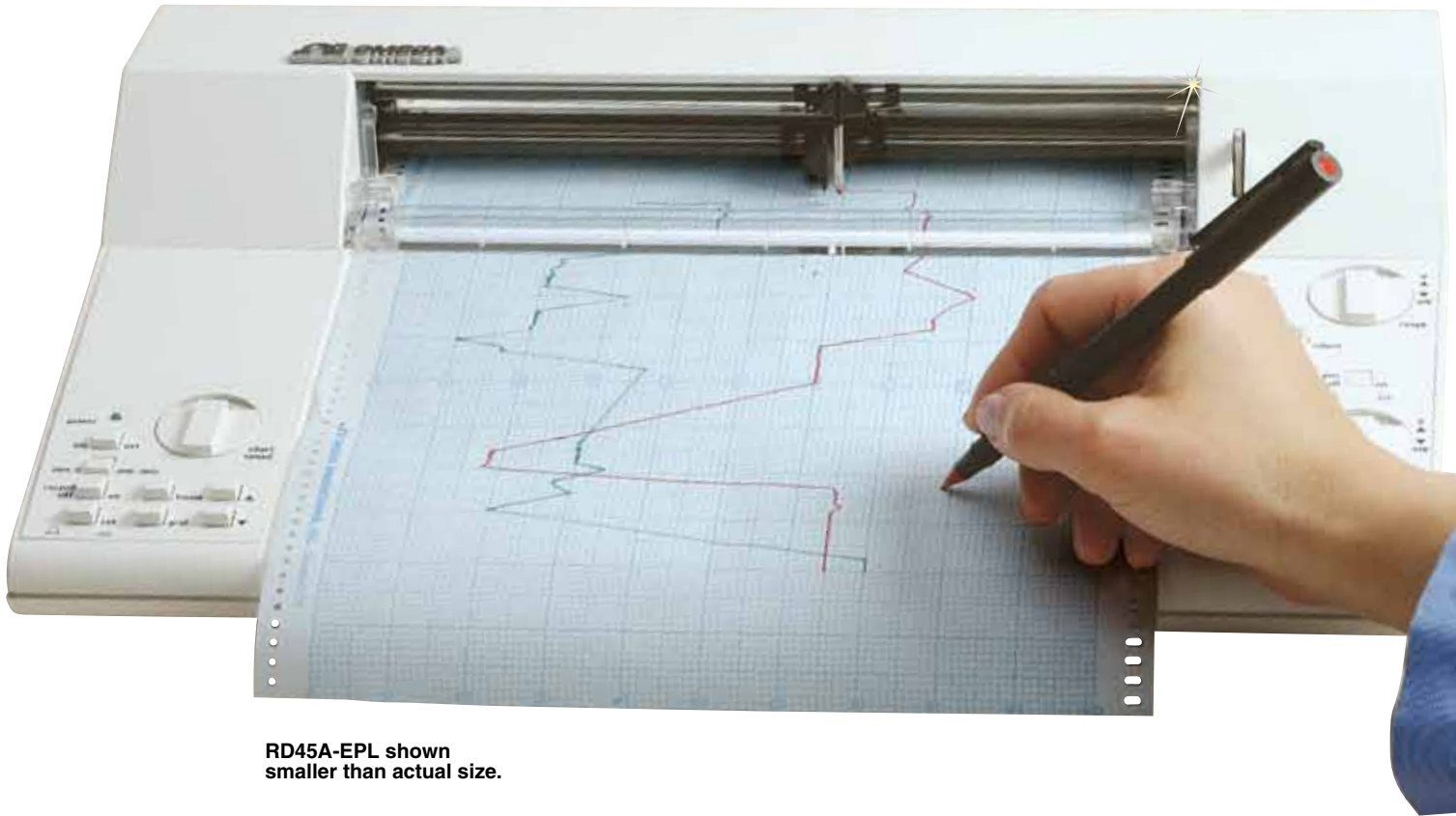
Power Consumption:

30 VA single-channel; 40 VA dual-channel

Dimensions:

90 H x 380 W x 290 mm D (3.6 x 15 x 11.5")

Weight: 3.5 kg (7.7 lb)



RD45A-EPL shown smaller than actual size.

To Order

Model No.	Description
RD45A-EPL	Single-channel recorder with pen lift and remote control, 200 mm (8")
RD46A-EPL	Dual-channel recorder with pen lift and remote control, 200 mm (8")

Each recorder comes with 1 pen for each channel, one 25 m (82') roll of paper, power cord, fuse, input adaptor connectors and complete operator's manual.

Ordering Example: RD46A-EPL, dual-channel recorder, RDX40-RP, extra chart paper [ten 25 m (82') rolls].

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

Ergonomic Shape Lets User Write Comments Right on the Chart, Even Next to the Pen!



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.

Accessories and Options

Model No.	Description
RDX40-RP	10 rolls of chart paper, 25 m (82') each
RDX40-RD1	6 red pens, channel-1; also event marker
RDX40-BL	6 blue pens, channel-1
RDX40-GR	6 green pens, channel-1
RDX40-BK	6 black pens, channel-1
RDX40-RD2	6 red pens, channel-2
RDX40-BK2	6 black pens, channel-2