

# 200 mm (8") Flatbed Recorders Single and Dual Channel



RD45A-EPL, \$2284, with optional TAC-80B thermocouple-to-analog converters, \$99 each, see page K-18, and JHIN-18G-RSC-12 and KHIN-18G-RSC-12 thermocouple probes, \$24.95 each, see page A-121. Shown smaller than actual size.

RD45A-EPL  
Starts at  
**\$2284**



- ✓ 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 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 x 380 x 290 mm (3.6 H x 15 W x 11.5" D)  
**Weight:** 3.5 kg (7.7 lb)

RD45A-EPL, \$2284, shown smaller than actual size.

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



**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

**To Order (Specify Model Number)**

Model No.	Price	Description
RD45A-EPL	2284	Single-channel recorder with pen lift and remote control, 200 mm (8")
RD46A-EPL	3347	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], \$3347 + 98 = **\$3445.**

**OCW-3, OMEGACARE<sup>SM</sup>** extends standard 2-year warranty to a total of 5 years (**\$350**), \$3345 + 350 = **\$3695.**

**Remember to Order Extra Pens and Paper!**

**Accessories and Options**

Model No.	Price	Description
RDX40-RP	\$98	10 rolls of chart paper, 25 m (82') each
RDX40-RD1	35	6 red pens, channel-1; also event marker
RDX40-BL	35	6 blue pens, channel-1
RDX40-GR	35	6 green pens, channel-1
RDX40-BK	35	6 black pens, channel-1
RDX40-RD2	35	6 red pens, channel-2
RDX40-BK2	35	6 black pens, channel-2
MS-1300	285	Reference Book: Applied Control

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



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