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)
Remember to Order Extra Pens and Paper!

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.

To Order (Specify Model Number)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD45A-EPL</td>
<td>2284</td>
<td>Single-channel recorder with pen lift and remote control, 200 mm (8&quot;)</td>
</tr>
<tr>
<td>RD46A-EPL</td>
<td>3347</td>
<td>Dual-channel recorder with pen lift and remote control, 200 mm (8&quot;)</td>
</tr>
</tbody>
</table>

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™ extends standard 2-year warranty to a total of 5 years ($350), $3345 + 350 = $3695.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

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

Accessories and Options

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDX40-RP</td>
<td>$98</td>
<td>10 rolls of chart paper, 25 m (82') each</td>
</tr>
<tr>
<td>RDX40-RD1</td>
<td>35</td>
<td>6 red pens, channel-1; also event marker</td>
</tr>
<tr>
<td>RDX40-BL</td>
<td>35</td>
<td>6 blue pens, channel-1</td>
</tr>
<tr>
<td>RDX40-GR</td>
<td>35</td>
<td>6 green pens, channel-1</td>
</tr>
<tr>
<td>RDX40-BK</td>
<td>35</td>
<td>6 black pens, channel-1</td>
</tr>
<tr>
<td>RDX40-RD2</td>
<td>35</td>
<td>6 red pens, channel-2</td>
</tr>
<tr>
<td>RDX40-BK2</td>
<td>35</td>
<td>6 black pens, channel-2</td>
</tr>
<tr>
<td>MS-1300</td>
<td>285</td>
<td>Reference Book: Applied Control</td>
</tr>
</tbody>
</table>
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**
  Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet 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, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

- **Heaters**