

# Compact Flatbed Recorders



Recording Width: 200mm

Recording Paper: 25 m length

Scale: 0 to 100, linear, Y- axis; centimetre divisions, time-axis

Temperature Coefficient: 0.2%/10K or 1.5 mV/K

Zero Offset: -5 to 105% FS; -100 to 105% on RD6122 models (3x100% zero suppression on RD6122DC models)

Accuracy: 0.5% FS for all models except RD6122AC

**RD6122AC Accuracy:** 1.0% FS for Vdc ranges; 1.5% FS for Adc ranges; 1.5% FS for Vac ranges (50 to 500 Hz), 3.0% FS for Vac ranges (500 Hz to 2 kHz); 2.0% FS for Aac ranges (50 to 500 Hz), 3.5% FS for Aac ranges (500 Hz to 2 kHz)

Recorder Orientation: horizontal, or inclined up to 30°

Pen Offset: 2.5 mm between pens 1 and 2, pen offset compensation standard

Response Time: <0.5 sec

Power: 10 to 28 Vdc, 230 Vac power adaptor included

Dimensions: 120 H x 320 W x 323 mm D

Pressure transducer sold separately.



- ✓ 200 mm Chart
- ✓ 11 Chart Speeds from 1 cm/hr to 60 cm/min
- ✓ 1- and 2- Pen Models
- ✓ Pen Synchronisation Standard
- ✓ dc Voltage, Thermocouple and ac Voltage and Current Input Models

RD6100 Series

**£1105**  
Basic Unit



The RD6102 and RD6122 Series offer a high quality, cost effective solution to general laboratory recording requirements. These units have been designed with a compact footprint, giving users a wide, 200 mm chart without taking up valuable bench space. Large, easy to read controls make setup and operation fast and error-free.

A proven dc servo system with sealed potentiometric feedback ensures ruggedness, dependability and durability. A composite pen carriage driven by a positive toothed belt also contributes to reliability. Electronic overrange protection eliminates servo drive system damage, while the microprocessor-based quartz clocked chart drive system maintains accurate chart speed regardless of supply voltage/frequency fluctuations.

Pen offset compensation is standard on all 2-pen models. RD6122 models feature zero suppression, X-Y operation, setup printing on chart, including date and time, electric pen lift, chart and pen remote control, an RS-232 interface, min/max alarms and event mark capability.

### Specifications

**Input Impedance:**

1 MΩ min

**Input Connections:** 4 mm safety banana jacks

**Chart Drive:** Quartz clocked drive, 0.078 mm resolution; positive dual sprocket drive

**Chart Speeds:**

Rotary switch selection; 1, 2, 6, 12, 30 cm/hr and 1, 2, 6, 12, 30, 60 cm/min

**Chart Fast Forward/Reverse:** slide switch controllable



RD6122AC Faceplate



### To Order (Specify Model Number)

Model Number	Price	No. of Channels	Input Types and Ranges
RD6102-230	£1105	1	1, 2, 5, 10, 20, 50, 100, 200
RD6102-2-230	1395	2	500 mV dc, 1, 2, 5, 10, 20, 50 Vdc
RD6122DC-230	1315	1	1, 2, 5, 10, 20, 50, 100,
RD6122DC-2-230	1715	2	200, 500 mV dc, 1, 2, 5, 10, 20, 50 100, 200, 500 Vdc, -50 to 1500°C (K t/c)
RD6122AC-230	1410	1	0.6, 1.5, 3, 6, 15, 30, 60, 150, 300, 600 V ac/dc, 6, 15,
RD6122AC-2-230	2075	2	30, 60, 150, 300, 600 mA ac/dc, 1.5, 3, 6 A ac/dc

Each recorder supplied with ac power adaptor, roll of paper, disposable fibre tip pen (1 per channel) and operator's manual. OMEGACARE<sup>SM</sup> extended warranty programme is available for models shown on this page. Ask your sales representative for full details when placing an order.

**Ordering Example:** RD6122DC-2-230 2-pen dc volt/K thermocouple recorder, with SL301 red pens, SL302 blue pens and RD6100-RP replacement paper, £1715 + 2(20.50) + 123 = **£1879**

OCW-1 OMEGACARE<sup>SM</sup> extends standard 2-year warranty to a total of 3 years (£123), £1715 + 123 = **£1838**

### Accessories

Model No.	Price	Description
SL-301	£20.50	Red pen, channel 1, pkg of 3
SL-302	20.50	Blue pen, channel 2, pkg of 3
RD6100-RP	123	Paper, 200 mm x 25 m, 10 rolls