

MINIATURE STRIP CHART RECORDERS

Introduction

The Ross strip chart recorders are high quality instruments offering outstanding value for money in a miniature recorder. The recorders take low voltage inputs to produce a deflection of the recorder pen. The scales are pre-calibrated with a range of options in the volt and millivolt scales - see specifications below. In addition to the pre-calibrated scales there is an attenuator so that you can scale other voltages to fit the chart.

Chart Speed

You can set a wide range of chart speeds from 1 cm/hr to 30 cm/min

Zero offset

The zero offset allows you to position the zero point at any position on the chart. This enable you, for example, to record both positive and negative going signals with the zero down the center of the chart.

Event Marker

The event marker makes a short spike on the chart to record an 'event' when the event terminal is closed to signal minus.

Over Range Protection

Over range protection prevents damage to the recorder if too high a voltage for the set range is accidentally applied.

Current Recording

You can record current as a voltage drop across a resistor on the input terminals.

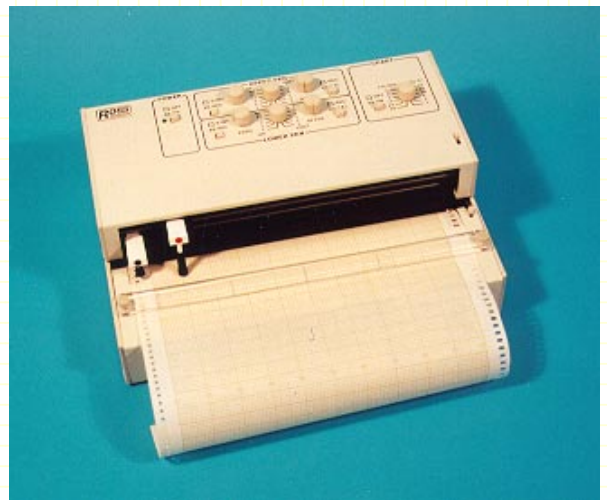
Calibration

The recorders are supplied pre-calibrated. You can re-calibrate your recorder by following the procedure in the manual.

Specifications

Features

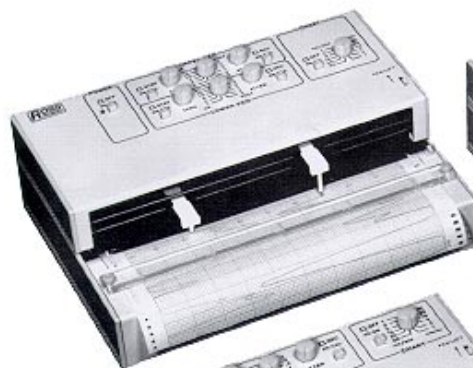
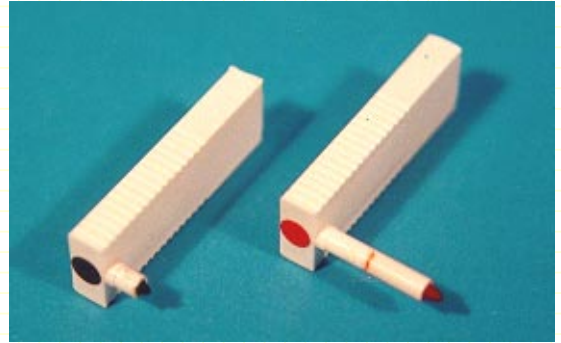
- High accuracy .
- 12 chart speeds
- Built in calibration voltage (Models 201,202)
- Built in event markers
- Very small and compact size.
- Lightweight can be wall mounted
- Inexpensive
- 2 year warranty
- CE approved
- Made in America



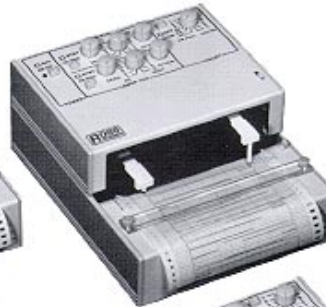
Model	101	102	201	202
Number of pens (Channels)	1	2	1	2
Chart width	10 cm	10 cm	20 cm	20 cm
Dimension of recorder	6.0 x 6.25 x 3.25	6.0 x 7.5 x 3.75	10.25 x 6.25 x 3.25	10.25 x 7.2 x 3.75
Full scale span	1, 2, 5, 10 , 20, 50 mV and 0.1, 0.2, 0.5, 1, 2, 5 V plus attemnuator			
Chart speeds	1, 2, 5, 10, 20, 30 cm/ min and 1, 2, 5, 10, 20, 30 cm/ hr			
Full scale response	Less than 0.5 secs			
Paper length	50 ft (15 m)			
Pen Type	Disposable fiber tip			
Power	12 V AC 600 mA or 12 - 15 volts DC 600 mA			
Power Adapter	115 V AC or 220 V AC (Specify when ordering)			
Input imedance	1 MOhm			

Ordering Information

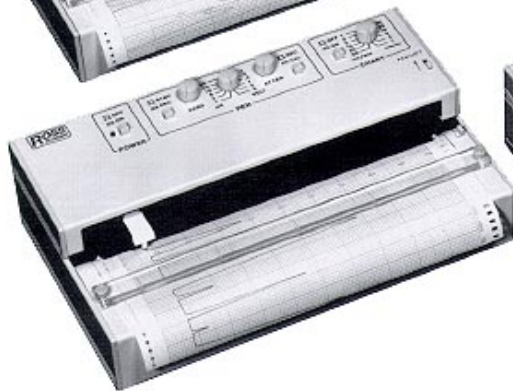
Part Number	Description
Recorders	
101	Single pen 10 cm chart
102	Dual pen 10 cm chart
201	Single pen 20 cm chart
202	Dual pen 10 cm chart
Chart Paper	
1101	100 mm wide paper 50 ft(15m) pack of 4 rolls
1201	200 mm wide paper 50 ft(15m) pack of 4 rolls
Short Pens (single channel recorders use only short pens)	
1001	black
1002	blue
1003	red
Long Pens (2 channel recorders need 1 short and 1 long pen	
2001	black
2002	blue
2003	red



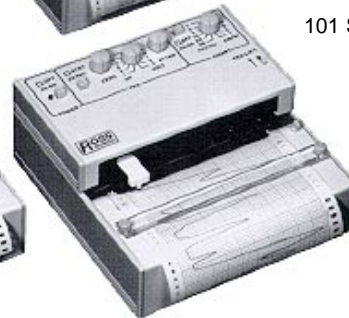
202 Dual Channel 20 cm



102 Dual Channel 10 cm



201 Single Channel 20 cm



101 Single Channel 10 cm

Connections

Connections to the recorder are simple screw terminal - no special plugs are needed to make this connection



topac

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Instrumentation

www.topac.com