

L120E / L200E / L250E

Flatbed Recorder



L120E – 120mm Chart Recorder



L200E – 200mm Chart Recorder



L250mm – 250mm Chart Recorder

L120E-1 Single Channel
L120E-2 Dual Channel

L200E-1 Single Channel
L200E-2 Dual Channel

L250E-1 Single Channel
L250E-2 Dual Channel

FEATURES

- Chart width: 120mm / 200mm / 250mm
- 1 and 2 channel version
- mV and V input
- 16 chart speeds (0.1 mm/min to 20 mm/sec)
- Separate electric pen lift per channel
- Chart drive with grid function
- Remote control for chart drive
- Paper advance / rewind function
- Single chip hybrid technology
- Long life fibre tip pens

VOLTAGE INPUT ACCESSORIES

Attenuator 100x, 500V max.
Attenuator 10x, 500V max.

ITEM NO.

0328-322
0328-324

Current Shunt 0-20 mA
Current Shunt 4-20 mA

0328-320
0328-321

Temperature module type J
Temperature module type K

0350-732
0350-731

PENS (SET OF 5)

Green
Red
Blue
Brown
Black
Violet

ITEM NO.

L120/1
L120/2
L120/3
L120/4
L120/5
L120/6

PAPER

Chart roll, 120mm, 16m, 50 divisions 80004008
Chart roll, 200mm, 16m, 100 divisions 80003008
Chart roll, 250mm, 16m, 100 divisions 80003001

ITEM NO.

Flatbed Recorder

Specifications

Number of channels	1- and 2-channel version
Chart width	120mm / 200mm / 250mm
Input ranges	1 – 2 – 5 – 10 – 20 – 50 – 100 – 200 mV 0.5 – 1 – 2 – 5 – 10 – 20 – 50 V
Input type	Asymmetric
Zero line adjustment	Chart width $\pm 200\%$
Accuracy	$\pm 0,5\%$ or $\pm 20\ \mu\text{V}$
Linearity	$\pm 0.35\%$
Reproducibility	$\pm 0.35\%$
Response time	0.2s full scale
Full scale deflection time	L120E $\approx 0.12\ \text{s}$ L200E $\approx 0.18\ \text{s}$ L250E $\approx 0.20\ \text{s}$
Pen speed	$\approx 0,8\ \text{m/s}$
Pen lift	Electric for both channels
Input impedance	DC mV-ranges > 30 MOhm V-ranges 2 MOhm DC mA < 1 Ohm
Source impedance	< 5 kOhm
Temperature drift	mV-ranges $\approx 0.1\ \mu\text{V}/^\circ\text{C}$ V-ranges $\approx 10\ \mu\text{V}/^\circ\text{C}$
Overload protection	$\leq \pm 50\ \text{Vpp}$ or $\leq \pm 1.5\ \text{A}$
Chart drive	
Chart speeds	0.1, 0.2, 0.5, 1, 2, 5, 10, 20 mm/s or mm/min
Functions	Electronic fast forward, manual forward/reverse
Safety	
FCC rating	Protection class I according to VDE 0411 EMV according to DIN / VDE 0834 / IEC VDE 0871 Class B
Power supply	
AC voltage	115 / 230 V with external selector
Fuses	Primary 115 V AC 400 mA slow blow 230 V AC 200 mA slow blow Secondary 4 x 630 mA slow blow 1 x 1.25 mA slow blow
Noise suppression	Line filter
Range expansion	Continuously adjustable up to 250 % of the selected range
Cut-off frequency	$\approx 3.6\ \text{Hz}$ Sine wave / - 3db
CMRR	130 db
50/60 Hz-damping	45 / 52 db
Dimensions (L x W x H)	L120E 35x26x12,5 cm L200E 35x34x12,5 cm L250E 35x39x12,5 cm

Van Renesse Supplies B.V. reserve the right to alter specifications of the equipment described in this documentation without prior notice

The maximum input voltage is not allowed to exceed 50 Vpp