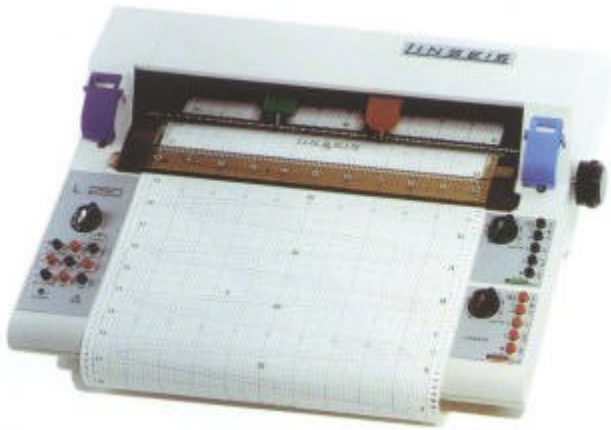




Deluxe Flatbed Recorders

L250, L200, L120

(Deluxe Flat-bed recorder built according to CE and FCC regulations)



- Chart widths 250 mm, 200mm, 120 mm
- 1 and 2 channel version
- mV, V and mA inputs
- Separate electric penlift per channel
- Chart drive with grid function
- 16 chart speeds from 0,1 mm/min to 20 mm/sec
- Remote control for chart drive
- Single chip hybrid technology
- Longlife fibre tip pens
- Monitor output signal
- Paper advance/rewind knob
- Counter voltage (opt.)
- 4TC types and Pt100. (opt.)

L120, L200, L250 Specifications

Analog channel	1 and 2 channel version
Number of channels	L120(120mm),L200(200mm),L250(250mm)
Chart width	1 2 5 10 20 50 100 200 mV
Input ranges	0,5 1 2,5 5 10 25 50 V 5 10 25 50 100 250 500 1000 mA
Input type	Asymmetric
Zero line adjustment	Chart width plus 250% variable range expansion
Accuracy	$\pm 0,35\%$ or $\pm 10\ \mu\text{V}$
Linearity	$\pm 0,25\%$
Reproducibility	$\pm 0,25\%$
Response time	$\sim 0,12\ \text{s}$
Input impedance	DC mV-ranges > 30Mohm DC V-ranges 2 Mohm DC mA-ranges < 1 Ohm
Source impedance	5 kOhm
Temperature drift	mV-ranges $\sim 0,1\ \mu\text{V}/^\circ\text{C}$ V-ranges $\sim 10\ \mu\text{V}/^\circ\text{C}$
Long time drift	$\sim 1\ \mu\text{V}/\text{month}$
Overload protection	$< \pm 50\text{Vpp}$ or $< \pm 1,5\ \text{A}$
Voltage	
Between input and ground	$< 50\ \text{V}$
Variable range expansion	250%
Cut-off frequency	-3db at $\sim 3,6\ \text{Hz}$ sinus
CMRR	$> 130\ \text{db}$
50/60Hz-suppression	45/52 db
Pen lift	Separate for each channel and remote controlled
Monitor output signal	0 – 1 V
Chart drive	
Chart speeds	0,1 0,2 0,5 1 2 5 10 20 mm/s and mm/min
Resolution	0,05 mm
Functions	Fast forward and reverse chart drive, grid-function, Home and time marker, external function control via 15-pin interface
Security	Protection class I according to VDE0411 EMD according to DIN/VDE 0843/IEC
Power supply	
AC voltage	115/230 V with external selector
Noise suppression	Line filter
Power consumption	$< 20\ \text{VA}$
Dimensions (W x D x H)	340 x 350 x 127 mm
Weight	3 kg
Options	Linearized temperature input for 4 TC's and PT100 Counter voltage ± 100 , ± 200 , ± 300 and $+ 400\%$