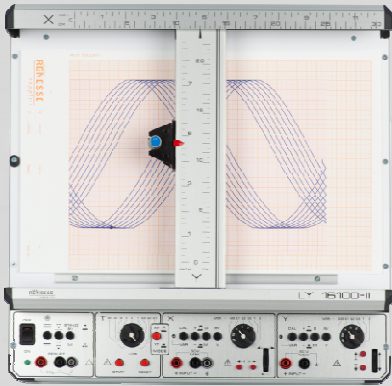


# LY14100II / LY16100II

## XYT RECORDER



### ABOUT

Formerly manufactured by Linseis, these recorders provide full XY and XT recording capability.

With 14 calibrated measuring ranges (with variable range expansion up to 250%) on both the X, Y axis and multi time base for XT recording.

The LY XY Chart Recorders are recognized as the gold standard for XY Analog Recording

### FEATURES

- Aluminum Housing
- DIN A3 or A4 Paper size
- Time Base with 9 sweep speeds
- Electronic paper hold-down
- 14 Measuring Ranges 0.1mV/cm – 2 V/cm
- Optional 19" Rack Mount
- Over-range LED

### TWO DIFFERENT MODELS

**LY14100II** XYT RECORDER – A3 PAPER

**LY16100II** XYT RECORDER – A4 PAPER

### Additionally available

### ORDER CODE

Rack Mount A3

article no. LY\1400-G2

Rack Mount A4

article no. XY\1600-110

### Paper

A3, set of 100 sheets

article no. 80004005

A4, set of 100 sheets

article no. 80003011

### Pens

Set of 5 black pens

article no. 80116026

Set of 5 red pens

article no. 80116027

Set of 5 green pens

article no. 80116028

Set of 5 blue pens

article no. 80116029

Set of 5 violet pens

article no. 80116030



**XYT RECORDER**

**Specifications**

Calibrated measuring ranges	0,1 0,2 0,5 1 2 5 10 20 mV/cm 0,05 0,1 0,2 0,5 1 2 V/cm
Variable range expansion	up to 250% (sensitivity increase)
Zero line shift	over entire writing width + 150/-250%
Input impedance	1 MOHM
Max. source impedance	5 KOHM
Measuring accuracy	± 0,3 % / ± 10 µV
Temperature drift of zero line	approx. 0,1 uV/K mV-ranges approx. 10 uV/K V-ranges
Max. input voltage	± 50V
Max. voltage between “_” and ground	± 50 V
Overload protection	± 50 V
50 Hz suppression SMR	50 dB
60 Hz suppression SMR	57 dB
Common mode rejection CMRR	130 dB at 1 KOHM
Paper size	DIN A3 or DIN A4
Useable writing area	280mm x 381mm (A3) 218mm x 310mm (A4)
Pen type	HP pens
Paper hold-down	electrostatic
Stand by	upper right corner
Switching off servo units	indication via LED's left/right and upper /lower side
Power supply	115/230 V 50/60Hz
Power consumption	12 VA /stand by 3 VA)
Security class	I as per VDE 0411
Max. writing speed	X-axis 80 cm/s, Y-axis 100 cm/s
Balancing time	X-axis 0,33 s, Y-axis 0,32 s
Cut-off frequency (DIN)	X-axis 1,6 Hz – 3 dB Y-axis 2,7 Hz – 3 dB
<b>Time base of X-axis</b>	
Principle of function	analog integrator
Sweep speed	50 20 10 5 2 1 0,5 0,2 0,1 s/cm
Controls	Start-button, Reset-button automatic reset at end of range
Accuracy	max. 1 %
Dimensions (WxHxD)	477x148x444
Weight	Approx. 8 KG

