

WX3000/WX4000

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Technical Specs & Details

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General Specs

	WX3000-1	WX3000-2	WX4000-1	WX4000-2
Number of pens	1	2	1	2
Recording area	381 mm x 254 mm		254 mm x 180 mm	
Recording system	Digital servo drive			
Input circuit	Floating and guarded			
Pen types	Disposable fiber-tip pens (Pen 1: red; Pen 2: black)			
Input polarity	X- and Y- axis selectable by DIP switch (with 2-pen models, Y ₁ and Y ₂ axes are selected concurrently)			
Chart paper types	Single-sheet (or roll for -R models, or standard models fitted with a roll paper stocker)			
Chart hold-down	Electrostatic adhesion (with positioning lights for the paper)			
Measuring ranges	0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50 100, 200, 500 mV/cm; 1, 2, 5, 10, 20, V/cm			
Calibration voltage	Automatically applies signal equivalent to 10 cm amplitude			
Sensitivity adjustment	Continuously variable between calibrated ranges			
Accuracy (at 20 V/cm range)	SUPP OFF: ±0.25%/full-scale; SUPP ON: ±1%/full-scale			
Range switching accuracy	SUPP OFF: ±0.45%/full-scale; SUPP ON: ±1%/full-scale			
Input impedance	1 MΩ			
Permissible signal source resistance	1 kΩ or less			
Zero suppression	Set SUPP. ON for up to ±300% of full-scale, SUPP. OFF for up to 100% of full-scale. (If measuring range of 0.05, 0.1 mV/cm, or 20 V/cm are selected, SUPP. ON cannot be set)			
Input filter	Low-pass filter can be set to 1 Hz, 5 Hz, or OFF (-6 dB/octave)			
Maximum input voltage	500 VDC			
Common-mode rejection ratio	140 dB (AC), 150 dB (DC)			
Maximum pen speed	Normal mode: 1500 mm/s along X-, Y-axes; Fast mode: 2000 mm/s along X-axis and 2200 mm/s along Y-axis			
Maximum acceleration	X-axis: 6 G; Y-axis: 7.6 G	X-axis: 4.5 G; Y-axis: 7 G	X-axis: 6 G; Y-axis: 7.6 G	X-axis: 4.5 G; Y-axis: 7 G
Pen lift response	5 Hz (5 times/s)			
Remote functions	Pen UP/DOWN, Time-axis sweep START/RESET, Servo ON/OFF, Chart paper HOLD/FREE, X, Y, INPUT			
Time sweep control	X-axis, Y ₁ -axis			
Time sweep speeds	0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10 cm/s and cm/min			
Time sweep accuracy	±1% of full-scale			
Paper size selection	A3, 250 x 250 mm, A4 portrait, A4 landscape (switch-selectable)		A4 landscape	
Interface	RS-232C (functions: setting and control of main unit; listing measurement settings, plotting)			
LIST function	Prints a list of recorder's setup parameters			
Operating environment	0 to 40°C, 30 to 80% RH			
Power consumption	200 VA maximum			
Power requirements	100 V series: 90 to 132 VAC, 50/60 Hz; 200 V series: 180 to 264 VAC, 50/60 Hz			
External dimensions (W x D x H) (mm)	560 x 400 x 110		430 x 310 x 110	
Weight (approx.)	10 kg	11 kg	7 kg	8 kg

Roll Chart Feed/Take-up Specifications (optional)

	For WX3000-1R, -2R	For WX4000-1R, -2R
Chart speeds	0.1, 0.2, 0.5, 5, 1, 2, 5 cm/s & cm/min; plus external (0.025 mm/pulse)	

Chart feed accuracy	Within $\pm 1\%$	
Page length	550 mm	280 mm
Renew function	Advances the paper (at 5 cm/s) to start of next page	
Ext. chart feed	Chart speed up to 5 cm/s (0.025 mm pulse, 0 to 2000 pulse/s; TTL-level signal input via the remote connector)	
Remote functions	Chart feed (synchronized to an external uplse); renew function; chart start/stop	
Weight (approx.)	3 kg	2.5 kg
Compatible paper	SP319A (roll paper)	SP279 (roll paper)

Standard Accessories

Item	Quantity
Power cable	1
Sheet paper, A3 (PL506) or A4 (PL121)	50 sheets
Recording pens: Pen 1, red (KX106-RD); Pen 2, black (KX106-BK)	2 each
Remote signal connector (FCN-361J032)	1
Input cable (RIC-01)	1 per axis
User's manual	1

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