

Digital Oscilloscope



Features:

- Go-No Go and auto setup sequence.
- FFT function.
- Built-in help menu, multi-language and PC software.
- Standard interface : USB, RS-232C, printer port.
- Option : GPIB interface.

Specifications

Display system	Display device	Colour (320 x 240) 5.7 inches LCD
	Display contrast	Adjustable
	Waveform display graticule	8 x 10 divisions (8 x 12 div, when menu off)
	Display mode	Dot, vector, accumulate
Vertical system	Bandwidth	250MHz (-3dB)
	Channels	2
	Vertical resolution	8-bit
	Vertical sensitivity	2mV/div to 5V/div
	Vertical accuracy	±3%
	Rise time	<1.4ns
	Input coupling	AC, DC, ground
	Input impedance	1MΩ ±2% to 22pF
	Polarity	Positive and negative
	Maximum voltage between signal and common at input BNC	300V (DC + AC peak), CATII
	Waveform signal process	CH1 + CH2, CH1 - CH2, FFT
	Offset range	2mV/div to 50mV/div : ±0.5V 100mV/div to 500mV/div : ±5V 1V/div to 5V/div : ±50V
BW limit	20MHz (-3dB)	
Horizontal system	Time base range	1ns/div to 10s/div Roll : 250ms/div to 10s/div
	Time base mode	Main, window, window zoom, roll, X to Y
	Time base accuracy	±0.01%
	Delay range	Pre-trigger : 20 div maximum Post-trigger : 1000 div
Signal Acquisition System	Real-time sample rate	100MS/s maximum on each channel
	Equivalent sample rate	25GS/s ET maximum on each channel
	Record length	125k/CH
	Peak detection	10ns (500ns/div to 10s/div)
	Acquisition mode	Sample, peak detect, average
	Average	2, 4, 8, 16, 32, 64, 128 and 256

Specifications

Trigger	Trigger source	CH1, CH2, line, ext
	Mode	Auto level, auto, normal, single, TV, time delay, event delay, edge, pulse width
	Coupling	AC, DC, HF, LF, noise reject
	Sensitivity	DC to 25MHz : approximately 0.35 div or 3.5mV 25MHz to 250MHz : approximately 1.5 div or 15mV
X-Y mode	X-axis input / Y-axis input	Channel 1/Channel 2
	Phase shift	$\pm 3^\circ$ at 100kHz
Cursor and measurement	Auto voltage measurement	V_{pp} , V_{amp} , V_{avg} , V_{rms} , V_{hi} , V_{lo} , V_{max} , V_{min}
	Auto time measurement	Frequency, period, rise time, fall time, positive width, negative width, duty cycle
	Cursor measurement	Voltage difference between cursors (ΔV) Time difference between cursors (ΔT) Frequency different between cursors ($1/\Delta T$)
Frequency counter	Readout resolution	6 digits
	Frequency range	AC coupled, 10Hz minimum to rated bandwidth
	Signal source	All available trigger source except the pulse width and video trigger mode
External trigger	Range	$\pm 15V$
	Sensitivity	DC to 30MHz : 50mV 30 to 150MHz : 100mV 150MHz to 250MHz : 150mV
	Input impedance	$1M\Omega \pm 2\%$ to 22pF
	Maximum input	300V (DC + AC peak), CATII
Control panel function	Autoset	Autoset can adjust vertical (volt/div) Horizontal (sec/div) Trigger level automatically
	Save/recall	Up to 15 sets of measurement conditions can be save and recalled
	Waveform trace save/recall	2 sets of waveform can be saved and recalled
Interface	USB	Standard
	RS-232C	
	Printer Port	
	GPIB	Option
Power source	100V to 240V ac, 48Hz to 63Hz, auto selection	
Accessories	Power cord x 1, operation manual x 1 GTP-250A probe (10:1/1:1) x 2	
Dimensions	(D) 254 x (H) 142 x (W) 310mm	

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Part Number Table

Description	Part Number
Oscilloscope, Digital, Colour, 250MHz	72-7240

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