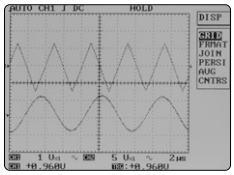
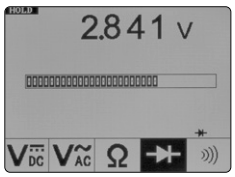
OS-310M



100 MHz, 2channel
Digital Storage Oscilloscope



4000 count Digital Multimeter

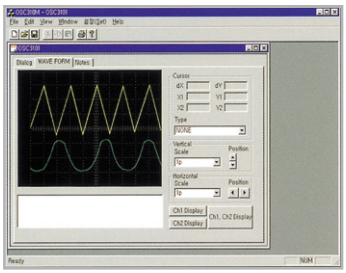
FEATURES

- 100MHz bandwidth
- Fast rise time and low overshoot
- Repetitive random interleaved 5GS/s
- Two channels and dual digitizers
- Low drift and internal noise
- Excellent internal noise reduction
- External trigger
- Built-in 3- 3/4(4,000 counts) digital multimeter with auto or manual range
- Roll mode
- Pre - trigger up to 10 div
- Extra bright backlit LCD display
- Independently floating isolated scope and DMM for safety
- Automatic optimized panel setting and tracking according to input signal
- Automatic measurements
- Arithmatic function
- RS-232C Programmability / Communication
- Rechargeable Ni-Cd battery and external AC adapter
- Direct hardcopy through RS-232C
- Hand free design and deluxe soft carrying case
- Third Party CE(Safety and EMC) approval
- Hands free automatic test

Software & Accessories(Optional)

■FEATURES

- Measurement & calculation : Vp-p, BMS, Mean Frequency, Rise T, fall T, Period, Width, Duty



- On/Off display of waveforms
- Vertical position control
- Time/div control
- Trigger mode, source, couple, slope and position control
- Grid control
- Vertical magnification
- Waveforms save, recall, edit and print
- Different color display of each channel
- Cascade or Tile to arrange multiple opened windows

■OPERATING ENVIRONMENT

1) Composition
   - RS-232C Interface Cable • Software(3.5″ disk) • Operation Manual
2) Hardware
   - CPU : 4860×2 or better • Memory : 8M for full Functionality
   - Disk space : 5.0M byte or over • Operation Manual
3) Software : Operating System : Window 95

■**Other options :** Thermal Printer, Rechargeable battery, Carrying case, RS-232C cable(9 to 25)

Test Equipment Depot
1-800-517-8431
99 Washington Street
Melrose, MA 02176
Fax 781-665-0780
TestEquipmentDepot.com

EZ DIGITAL

Specifications

Description			Specification
VERTICAL AXIS	Resolution		8bits
	Sensitivity		1mV / div ~ 5V / div(1-2-5 sequence, 12 Steps)
	Accuracy		3% (5% for 1mV, 2mV)
	Bandwidth		DC ~ 100MHz (-3dB)
	Low frequency limit in AC couple		10Hz
	Input channel		CH1, CH2
	Input impedance		1M Ω / approx. 25pF
	Mode		CH1, CH2 turned on or off independently
	Max safe input volts		42Vpk (DC +AC peak at 1KHz)
HORIZONTAL AXIS	Max. sample rate		Real time 25MS/s(simultaneous on 2 channels) Repetitive 5GS/s(simultaneous on 2 channels)
	Acquisition memory		2k words / CH
	Sweep time	Equivalent sample	5ns / div ~ 2 μs / div
		Real time sample	5ns / div ~ 0.5s / div
		Roll mode	1s / div ~ 5s / div
	Timebase error		1%
	Pre - trigger		MAX. 10div
TRIGGER	Source		CH1, CH2, EXT
	Mode		Auto, Norm, TV - V, TV - H
	Couple		DC, AC, HF rej, LF rej
	Slope		+ OR -
	Level		Manual setting or automatic 50% setting
	Sensitivity		TRIGGER / FREQUENCY / SENSITIVITY (5mV ~ 5V / div, 1mV, 2mV / div) CH1 / DC ~ 10MHz / 0.5div / 2.5mVp-p CH2 / 10 ~ 100MHz / 1.5div / 7.5mVp-p EXT / DC ~ 100MHz / 0.1Vp-p
	TV trigger		Sync. section : 1.0div or more, negative
	AC cut off frequency		Approx. 10Hz (-3dB)
	HF / LF cut off frequency		Approx. 50kHz (-3dB)
	Auto lower frequency		Approx. 30Hz
MENU	Display		5″STN LCD(CCFI back light), 320 X 240 pixel 10div(H) X 8div(V), 25 X 25 dots / div(V), grid(full, quad, board) interpolation(sine, linear) dot join on/off, persistence, X-Y Horizontal mag/alt mag
	Save / Recall		Average(exponential 2~256) save / recall max. 10 waveforms & Set - up clear waveform. set- up
	Math	Parameter	Amplitude(p-p, rms, average), frequency, period, pulse width (positive, negative), duty cycle
		Arithmetic	addition, subtration, inversion
	Utility		Probe(X1, X10) LCD contrast dec / inc, RS-232C
CURSOR			△V, △T, △1/Treference, track
AUTO SET– UP &TRACKING			The front panel settings are automatically performed so that the optimum waveform is displayed for an input signal freq:20Hz~20MHz, duty:20~80%, amplitude:10mV~50V (20mV or more for 20 to 100Hz)
HOLD / RUN			Hold mode is used to stop the updating of the waveform, run mode to update repeatedly
HARDCOPY			Hardcopy through RS-232C interface
RESUME			The setup data before power off and all the displayed information are retained. At power on these data are displayed and used as setup data.
DMM	DIGIT		3-3/4 (4,000 counts)
	AC / DC VOLTAGE		RANGE: 400mV / 4V / 40V / 400V RESOLUTION: 0.1mV / 1mV / 10mV / 100mV
	RESISTANCE		RANGE: 400 / 4k / 40k / 400k / 4M RESOLUTION: 0.1 / 1 / 10 / 100 / 1K
	OTHERS		Diode test, continuity test, min., max., relative, hold
CALIBRATION OUT	Frequency		1kHz ± 20%
	Output voltage		0.5V ± 30%
POWER SUPPLY	Power supply		Exclusive AC adaptor, built - in battery Rated external input voltage : 12V Power consumption for external power input : 1A(Typ)
	Power consumption		12W (Typ)
	Built - in battery		Ni-Cd Battery, Automatically rechargeable (Voltage drop is automatically detected)
	Operation		80 Min. (Typ)
	Recharge time		15Hours(Typ) (at power off), 30Hours(Typ) (at power on)
AMBIENT CONDITION	Specification		+10℃ ~ +35℃ (when automatic calibration performed with in the range of 25±5℃)
	Operation		0℃ ~ +40℃, 45 ~ 80%
	Storage		-10℃ ~ +60℃, 35 ~ 85%
OTHERS	Dimension		180(W)× 67(H) ×255(D)mm
	Weight		2.0kg