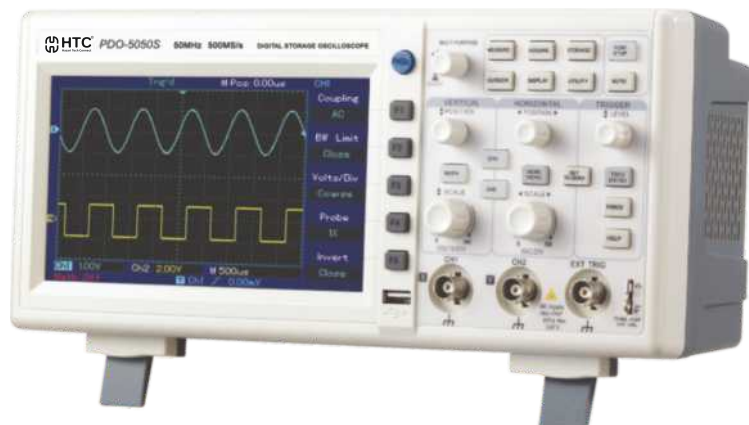


DIGITAL STORAGE OSCILLOSCOPE

PDO-5050S



Performance with Precision



FEATURES :

- ✓ **BAND WIDTH : 50MHz • REAL TIME : 1GS/s**
- ✓ **2 CHANNELS, WIDE VERTICAL RANGE : 1 mv/div~20v/div**
- ✓ **7 INCH WIDE SCREEN LCD DISPLAY**
- ✓ **THE NEW INTERFACE STYLE**
- ✓ **SUPPORT PLUG-AND-PLAY USB STORAGE DEVICE.**
- ✓ **USB DRIVE SYSTEM SOFTWARE UPGRADE**
- ✓ **STORAGE OF WAVEFORM SETUP AND INTERFACE WAVEFORM**
- ✓ **UNIQUE WAVEFORM RECORD AND REPLAY FUNCTION**
- ✓ **PORTABLE OSCILLOSCOPE**
- ✓ **MULTI FREQUENCY SQUARE WAVE OPTIONAL, OUTPUT STANDARD SQUARE WAVE 10Hz, 100Hz, 1kHz, 10kHz**
- ✓ **VARIOUS PARAMETER MEASUREMENT & WAVEFORM RECORDING**
- ✓ **5000 WFMS/S WAVEFORM CAPTURE RATE**
- ✓ **AUTOMATIC WAVEFORM & STATE SETTING**
- ✓ **AUTOMATIC CURSOR TRACKING MEASUREMENT FUNCTION**
- ✓ **BUILT IN FFT SOFTWARE FUNCTION**

TRIGGER

Trigger Sensitive	<1 div	
Trigger level scope	Internal	± 5 div away from screen centre
	EXT	± 3V
	EXT/5*	± 15V
(Typical) precision of trigger level for signal of which rise Time or Descend Time is not less then 20ns	Internal	± 5 div away from screen centre
	EXT	± 3V
	EXT/5*	± 15V
Pre-trigger ability	Normal mode /scanning mode, pre-trigger/delay with adjustable pre-trigger depth	
Inhibition scope	80ns-1.5s	
(Typical) level set to 50%	Operation if frequency of input signal is not less than 50Hz	

EDGE TRIGGER

Edge type	Ascend, descend, ascend & descend
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PULSE WITH TRIGGER

Trigger mode pulse with scope	To be more then, less than or equivalent to positive/negative pulse width 20ns-10s
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TRIGGER FREQUENCY METER*

Reading resolution	6-bit
Trigger sensitivity	<30Vrms
(Typical) precision	±51ppm (1 word)

MEASUREMENT

Cursor	Manual Mode	Voltage Difference (V) between cursors; Time Difference (T) between cursors; Reciprocal of $\Delta T(1/\Delta)$
	Tracing Mode	Voltage & Time of waveform point it is allowed to display cursor during automatic measurement.
Automatic Measurement	Peak Value, amplitude, the maximum value, the minimum value, top value, bottom value, middle value, average value, root-mean square, overshoot, preshoot, frequency, cycle rise time, descend time, positive pulse width, negative pulse width, positive duty cycle, negative duty cycle and delay	
Mathematical operation	+, -, x, %	
Stored waveform	20 groups of waveform and 20 kinds of setup	
FFT	Window Sampling point	Hanning, Hamming, Blackman, Rectangle 1024 point
Lissajou's figure	Phase location difference	±3° degrees

POWER	100-240V ACRMS, 45-440Hz, CAT II
Power Consumption	To be less then 30VA
Fuse	F1.6AL, 250V; Fuse are on power board in the unit
Dimension	W320 x W150 x D130 mm
Weight	Nt. Wt: 2.5 Kgs. • Gr. Wt: 4 Kgs
Accessories	100M Probe*2, USB Charger, User Manual
Qty	2 Pcs. in a Box.