



Main feature

- Bandwidth : 60MHz - 300MHz with dual-channel
- Sample rate : 500MS/s - 3.2GS/s
- 10M record length for each channel
- Smart design with easy portability
- Large 8 inch 800 x 600 pixels LCD
- LAN remote control
- Multi-function : auto-scale, Pass / Fail, current-measuring, and digital filtering
- SCPI, and LabVIEW supported
- Optional BATTERY available

Specification	
Bandwidth	100MHz
Sample Rate	1GS/s
Horizontal Scale (s/div)	2ns/div~100s/div, step by 1~2~5
Display	8”color LCD, 800 x 600 pixels
Channel	2 + 1 (external)
Record Length	10M
Input Coupling	DC, AC, and GND
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF
Channel Isolation	50MHz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (DC + AC Peak)
DC Gain Accuracy	±3%
DC Accuracy	average ≥ 16 : $\pm(3\% \text{ reading} + 0.05 \text{ div})$ for ΔV
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	$\geq 10\text{Hz}$ (at input, AC coupling, -3dB)
Sampling Rate / Relay Time Accuracy	$\pm 100\text{ppm}$
Interpolation	$\sin(x) / x$
Interval (ΔT) Accuracy (full bandwidth)	Single: $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.6\text{ns})$; Average > 16 : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.4\text{ns})$
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Vertical Sensitivity	2mV/div~10V/div
Trigger Type	Edge, Pulse, Video, Slope, and Alternate
Trigger Mode	Auto, Normal, and Single
Trigger Level	± 6 divisions from screen center
Acquisition modes	Sample, Peak Detect, and Average
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	ΔV , and ΔT between cursors
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, Rise Time, Fall Time, Delay A→B, Delay A←B, +Width, -Width, +Duty, -Duty
Waveform Math	+, -, ×, ÷, invert, FFT

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

305, Taru Chhaya Nagar, Tonk Road, Jaipur-302029, India
Tel: +91-141-2724326, Mob: +91-9413330765
Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com



Order Code - DSO-7102
Digital Storage Oscilloscope 100 Mhz., 2 CH, VGA,
Coloured LCD 8 “, 1GS/s, USB+Software

Waveform Storage	15 waveforms	
Lissajous Figure	Bandwidth Phase Difference	full bandwidth ±3 degrees
Communication Interface	USB host, USB device, Pass / Fail, LAN, VGA (optional), or RS232 (optional)	
Cymometer	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 24W	
Fuse	2A, T class, 250V	
Battery (optional)	7.4V, 8000mA	
Dimension	(W × H × D) 340 × 155 × 70 (mm)	
Weight (without package)	1.80 kg	

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