



Main feature

- Bandwidth in 100MHz, and realtime sample rate reaches 1GS/s
- 7.6M record length
- 50,000 wfms/s waveform capture rate
- Waveform zooming (horizontal / vertical), and saving
- FFT points (length, and resolution variable)
- Multi-window extension
- User-friendly voice warning
- 8 inch 800 x 600 pixels high def LCD
- Multi- communication interface : USB, VGA, and LAN

Specification	
Bandwidth	100MHz
Channel	4
Sample Rate	1GS/s
Waveform Capture Rate	50,000 wfms/s
Display 8" touch screen	color LCD
Input Coupling	DC, AC, and GND
Input Impedance	1M Ω \pm 2%, in parallel with 10pF \pm 5pF ; 50 Ω \pm 1%
Probe Attenuation Factor	1X, 10X, 100X, 1000X
Max Input Voltage	1M Ω input impedance : 400V (PK - PK) (DC + AC, PK - PK) ; 50 Ω input impedance : 5V (PK - PK) (DC + AC, PK - PK)
Channel Isolation	50Hz : 100 : 1 ; 10MHz : 40 : 1
Interpolation	sin(x)/x
Record Length	7.6M
Horizontal Scale	(s/div) 2ns/div - 100s/div, step by 1 - 2 - 5
Interval (DT) Accuracy (full bandwidth)	Single : \pm (1 interval time + 100ppm \times reading + 0.6ns), Average > 16 : \pm (1 interval time + 100ppm \times reading + 0.4ns)
Vertical Resolution (A/D)	8 bits resolution (4 channels simultaneously)
Vertical Sensitivity	2mV/div - 10V/div (at input)
Analog Bandwidth	100MHz
LF Respond (AC, -3dB)	\geq 10Hz (at input, AC coupling, -3dB)
DC Accuracy	\pm 3%
Trigger Type	Edge, Pulse, Video, and Slope
Trigger Mode	Auto, Normal, and Single
Trigger Level Range	\pm 6 div from the screen center
Trigger level Accuracy (typical)	\pm 0.3 div
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, Rise Time, Fall Time, Delay A \rightarrow B , +Width, -Width, +Duty, -Duty
Waveform Math	+, -, \times , \div , invert, FFT
Waveform Storage	4 reference waveforms
Lissajous Figure	
Bandwidth	full Bandwidth
Phase Difference	\pm 3 degrees
Cursor Measurement	Δ V, and Δ T between cursors
Communication Port	USB host, USB device, VGA, LAN
Power Supply	100 - 240 V AC, 50/60Hz, CAT II
Dimension	(W \times H \times D) 380 \times 180 \times 115 (mm)
Weight	(without package) 1.50 kg

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