

Order Code - 22235843.5 Digital Storage Oscilloscope, 100 Mhz



Specification:-

• Bandwidth: 100MHz

• Sample Rate: 1GS/s

• Horizontal Scale (s/div): 2ns/div - 100s/div, step by 1 - 2 - 5

• Rise Time (at input, typical): ≤ 3.5 ns

• Channel: 2

• Display 7": color LCD, 800 x 480 pixels

• Input Impedance: $1M\Omega \pm 2\%$, in parallel with $20pF\pm5pF$

• Channel Isolation: 50Hz: 100: 1, 10MHz: 40: 1

• Max Input Voltage: 400V (PK - PK) (DC+AC, PK - PK)

■ DC Gain Accuracy: ±3%

• Record Length: 10K

• DC Accuracy (average): Average ≥ 16 : $\pm (3\% \text{ reading} + 0.05 \text{ div})$ for $\triangle V$

• Probe Attenuation Factor: 1X, 10X, 100X, 1000X

• LF Respond (AC, -3dB): ≥ 10 Hz (at input, AC coupling, -3dB)

● > Sample Rate / Relay Time Accuracy: ±100ppm

• Interpolation: $\sin(x) / x$

• Interval (\triangle T) Accuracy (full bandwidth): Single: \pm (1 interval time + 100ppm x reading + 0.6ns), Average>16: \pm (1 interval time + 100ppm x reading + 0.4ns)

• Input Coupling: DC, AC, and GND

• Vertical Resolution (A/D): 8 bits (2 channels simultaneously)

• Vertical Sensitivity: 5mV/div - 5V/div (at input)

• Trigger Type: Edge, Video

• Trigger Mode: Auto, Normal, and Single

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



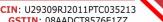
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Tesca Technologies Pvt. Ltd.



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- Trigger Level: ±5 divisions from screen center
- Line / Field Frequency (video): NTSC, PAL and SECAM standard
- Cursor Measurement: △V, and △T between cursors
- Automatic Measurement: Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay $A \rightarrow B$, Delay $A \rightarrow B$
- Waveform Math: $+, -, x, \div$, invert, FFT
- Waveform Storage: 16 waveforms
- Lissajous Figure:

Bandwidth: full bandwidth

Phase Difference: ±3 degrees

• Communication Interface: USB host, USB device

Frequency Counter: available

• Power Supply: 100V - 240V AC, 50/60Hz, CAT II

• Power Consumption: <15W

Fuse: 2A, T class, 250V

Dimension (W x H x D): 301 x 152 x 70 mm

• Device Weight: 1.10 kg

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