

SL.N O	ITEM NAME	SPECIFICATIONS	QTY
1	Digital Storage Oscilloscope	<p>Bandwidth:: Dc to 50MHz</p> <p>No: of channels : 2+Ext trig</p> <p>Memory depth: 2.5K at all time bases</p> <p>Sampling rate : 1GSa/s on all channels</p> <p>Vertical Resolution : 8 bits</p> <p>Input sensitivity range: 2mV to 5V/div</p> <p>Input impedance : 1 MΩ in parallel with 20 pF</p> <p>Measurements : Automated Measurements of common parameters, cursor measurements and FFT Analysis</p> <p>Dedicated keys : Quick Pan and zooming, math, FFT, Reference.</p> <p>Time base range : 5ns to 50s/div</p> <p>DC gain accuracy : ±3%, from 10 mV/div to 5 V/div</p> <p>Acquisition modes : Peak detect(up to 12ns glitch), Sample, Average(128), Single sequence, roll</p> <p>Time Base Range : 5ns to 50s/div</p> <p>Time Base Accuracy : 50 ppm</p> <p>Frequency Counters : Counter mode with numeric display, 10Hz to 50MHz , 6digit resolution, 2 channels</p> <p>Display: 7 in. (180 mm) Widescreen TFT-LCD Colour Display</p> <p>Resolution : 480 horizontal × 800 (WVGA) Active TFT LCD</p> <p>Display system: Interpolation Sin (x)/x, Waveform styles Dots, vectors Persistence Off, 1 s, 2 s, 5 s, infinite, Format YT and XY</p> <p>Connectivity : USB Host and Device</p> <p>Maximum USB flash drive size; 64 GB</p> <p>Provision to store waveforms to USB flash drive</p> <p>Warranty : 5 Years standard</p> <p>Accessories to be supplied along with the instrument: One 10X Passive Probe per channel, Installation and Safety Manual, Documentation CD, Applicable Desktop Software & PC Courseware software and Power Cord</p>	2



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<p>2</p>	<p>Dual Trace Oscilloscope</p> <p>20MHZ</p> <p>GENERAL INFORMATION</p> <p>Cathode Ray Tube : 140mm Rectangular screen, Internal Graticule, 8 x 10 cm, P31 phosphor.</p> <p>Z-Modulation : $\pm 5V$ p-p signal upto 2MHz modulates at normal intensity</p> <p>Calibrator : Provides $0.5V \pm 2\%$, $1KHz \pm 2\%$ square-wave output for probe compensation.</p> <p>Power Requirement : 220V AC $\pm 10\%$, 50Hz $\pm 5\%$, 35VA (max.).</p> <p>VERTICAL DEFLECTION (Y)</p> <p>Deflection: 1mV/div to 20V/div. 5mV/div to Coefficient 20V/div in 12 calibrated teps</p> <p>(CH1 & CH2) : n 1-2-5 quence. x5 Magnification increases the sensitivity to 1mV/div.</p> <p>Accuracy : x1 : $\pm 3\%$, x5 : $\pm 5\%$ Variable : 1 / 2.5 times uncalibrated continuously variable controxtends the Deflection Coefficient approx. to V/div. Bandwidth : x1 : DC to 20MHz (-3dB), dc coupled.: 10Hz to 20MHz (-3dB), ac coupled. x5 : DC to 5MHz (dc coupled) 10Hz to 5MHz (ac coupled)</p> <p>Rise Time : 18ns or less.</p> <p>Display Modes : CH1, CH2, DUAL (CH1, CH2 ALT/CHOP), Algebraic ADD and SUBTRACT, CH2 INVT & X-Y (CH1 as X, CH2 as Y).</p> <p>Input Impedance : 1M ohms // 25pF approx. Maximum Input : 400 Volts (dc + peak ac). Voltage</p> <p>Internal Trigger Signal : CH1, CH2 or Alternate.</p> <p>TRIGGER SIGNAL OUTPUT</p> <p>Output Voltage : Minimum 100mV for 1 div of CH1 / CH2 trigger signal.</p> <p>TIME BASE</p> <p>Sweep Speed : 20 Calibrated steps. $0.1\mu s/div$ to $0.2s/div$ in 1, 2 & 5 sequence</p> <p>Accuracy : 3%</p>	<p>2</p>
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