

**Tender Specifications for a 6-Channel 350 MHz Oscilloscope**

No.	Parameter	Specifications/Details
1	Bandwidth	350MHZ or above
2	Number of Channels	6 Analog Channels or above Should have capability to connect 32 digital channels or above
3	Sample Rate Real Time	Up to 6.25 GSa/s on all Channels for both Analog & Digital
4	Record Length	≥ 30 MSa on channels
5	ADC Resolution	12 Bits, 16 Bits with High Resolution
6	Waveform Capture Rate	≥ 500,000 Wfm/sec
7	DC Gain Accuracy	≤ ± 1%
8	Vertical Sensitivity	1MΩ: 500 μV/div to 10 V/div 50Ω: 500 μV/div to 1 V/div
9	Timebase range	200 ps/div to 1,000 s/div
10	Input Coupling & Impedance	DC (50 Ω), AC, 50 Ω, 1 MΩ: ± 1.0%,
11	Digital Voltmeter	It should be available
12	Trigger Frequency Counter Resolution	8 Digits
13	Acquisition Mode	Sample, Average, Peak Detect, Envelope, High Resolution, Fast Acquisition
14	Digital Channel Threshold	User Selectable for all individual channels
15	Maximum Input Voltage	±42 V peak(Digital),300 V rms(Analog)
16	Math Channel	Unlimited
17	Measurements	Amplitude, Maximum, Minimum, Peak-to-Peak, Positive Overshoot, Negative Overshoot, Mean, RMS, AC RMS, Top, Base, and Area, Period, Frequency, Unit Interval, Data Rate, Positive Pulse Width, Negative Pulse Width, Skew, Delay, Rise Time, Fall Time, Phase, Rising Slew Rate, Falling Slew Rate, Burst Width, Positive Duty Cycle, Negative Duty Cycle, Time Outside Level, Setup Time, Hold Time, Duration N-Periods, High Time, and Low Time
18	Power Electronics Measurements	Total Power, THD, Crest Factor, Input Capacitance, Inrush Current, Switching Loss, SOA, RDS(on), Line Ripple, Switching Ripple, Efficiency, Turn on time, Turn Off Time
19	Report	Report Generation for the tests
20	Min/Max of result	It should display min/max measurement result in acquisition.
21	Measurements plots	Time Trend, Histogram, and Spectrum plots are available for all standard measurements. Customize / resize all application views, plots, waveform areas and results tables
22	Trigger types	Auto, Normal, Single Edge, Glitch, Width, Runt, Window, Timeout, Transition, Setup/Hold, Pattern, State. An event and delayed B event

		trigger
23	Display type	HD 1920 x 1080, 13.3 inch or above with Multi-touch capacitive display
24	Input/output Ports	LAN Port, USB ports
25	Operating Temperature	+0 °C to +50 °C
26	Power Requirements	230 VAC ± 10%, 50 Hz
27	Warranty	3 Years
28	Standard Accessories	500 MHz Probe with 3.9 pF loading, per channel probes should be available.