Technical Specification of 70 MHz Digital Storage Oscilloscope

Sr. No	Parameter	Specification
1	Bandwidth	70 MHz
2	Number of Channel	4 Analog Channels
3	Sampling Rate	1 GS/s on each channel simultaneously
4	Time Base Range	5ns/div to 50 sec/div
5	Memory Depth	1Mpts
6	Acquisition Rate	≥ 50,000 per second
7	Coupling	AC, DC
8	Input Impedance	1 MΩ
9	Vertical Sensitivity	500µV/Div to 10 V/div
10	Vertical Resolution	8 Bits
11	Display	≥7 inch
12	Trigger Selection	Edge, pulse width, video, rise/fall time, setup and hold, pattern/state
13	Digital Voltmeter and Frequency Counter	Digital voltmeter and 5 – digit frequency counter upto scope bandwidth should be available
14	Automatic Measurement	More than 20+ automatic measurement function should be available along with math function, FFT plot with dBV Vs frequency should be available
15	Education Kit	Different types of training signal should be available
17	Serial Triggering & Analysis	CAN, LIN, I2C, SPI & RS232 should be available.
18	Interface	USB, LAN
19	Operating Temperature	Operating: 0 to 50° C
20	Passive Probes	2 Passive Probe should be provided with oscilloscope and have selectable 10:1 and 1:1 attenuation.
22	Warranty	Should have standard 3 Years warranty
23	Manufacture should have NABL accredited service center and calibration lab in India	
24	Protection	Isolated