

Technical Specifications TESTEC PocketScope 50

INPUT		
Maximum Single Shot Sample Rate	50 MS/s	
Maximum Effective Sample Rate	1 GS/s	
Channels	1 per PocketScope Module, stackable up to 4 Channels	
Input Ranges 10 division full scale	Probe	Voltage per division
	1:1	30mV to 3V
	10:1	300mV to 30V
		Full scale voltage (+/-)
		300mV to 30V
		3V to 300V
Vertical Resolution	8 bits	
Analogue Bandwidth	75MHz (-3dB)	
Offset Range	+/- 100% of range, programmable	
Coupling	AC, DC and Ground	
Impedance	1M Ω // 16pF	
DC Accuracy	+/- 4%	
galvanically isolated from USB port	300V Cat II	
Connector	BNC female	
TIMEBASE		
Range	1ns/division to 4s/division in 1,2,4 steps	
Accuracy	+/- 0.02%	
Resolution	20ns single-shot, 1ns RIS mode	
BUFFER		
Size	3k	
OUTPUT SIGNAL		
Probe Compensation	3V @ 1KHz	
TRIGGER		
Type	Rising Edge, Falling Edge, Greater Than, Less Than	
Mode	Auto, Normal and Single	
Delay	Programmable in steps of sample period, 0 to 65535 steps	
Bandwidth	60MHz	
Range	100% of range	
SOFTWARE		
Windows 98SE / ME	Yes	
Windows 2000 / XP	Yes	
FFT	2048 point per channel	
Data Export	Via text file to Excel etc.	
Full Screen Plot	Yes for time window and FFT window	
Screen Stats	V_{avg} , V_{pk-pkr} Frequency per channel	
Cursors	3 time, 3 Voltage	
PHYSICAL		
Interface	USB 12 Mbits/sec (USB 2.0 and 1.1 compatible)	
Power Requirement	200mA from USB Bus	
Housing Size	75mm x 30mm x 18mm	
Mass	42g	
Supplied Accessories	Software and Manual	