

DC to 200MHz

TS-U-DSO1102 - 2 kb to 64 kb

TS-U-DSO1202 - 2 kb to 512 kb

USB DSO Digital Storage Oscilloscope

NOTE: Only TS-U-DSO1102 and TS-U-DSO1202 Are Available From Team Solutions, Inc.

Acquisition	
Mode	Real-time sampling, Equivalent sampling, Roll mode, Average, Envelope
Input	
Input Coupling	AC, DC, GND
Input Impedance	1MΩ±1% // 21pF±5% ⚠Max. Input Voltage
42Vpk (DC + AC peak)	Vertical
Channel	
2 (DS-1202 allows to stack up to max. 6 channels.)	Vertical Resolution
9 bits/channel @ 5mV/DIV- 10V/DIV (8 bits @ 2mV/DIV)	Sensitivity
2mV/DIV to 10V/DIV (as 2-5-10 step)	Bandwidth
DS-1102, DS-1202: DC to 200MHz	BW Limit
DS-1002: DC to 100MHz	
Approx. 20MHz	Range
8 divisions	Offset Level
±4 divisions	Offset Increments
0.1 division	DC accuracy
±3%	Time Base
Sampling Rate	
DS-1102, DS-1202: Real-time sampling: 200MS/s @ 1Ch, 100MS/s @2Ch (Single Shot) Equivalent sampling: 5GS/s (Repetitive)	Time Base Range
DS-1002: Real-time sampling: 100MS/s @ 1Ch, 50MS/s @2Ch (Single Shot) Equivalent sampling: 2.5GS/s (Repetitive)	
2ns/DIV to 10s/DIV (as 2- 5-10 step)	Accuracy
100ppm	Range
10 Divisions	Pre/Post Trigger
0 to 100%	Delay Trigger
0 to 100%	Time Resolution
200ps	Buffer Length
DS-1002, DS-1102: 2k points to 64k points	Trigger
DS-1202: 2k points to 512k points	

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Type	
Rising, Falling, Delay-Trigger, TV-Trigger (DS-1002 no TV Trigger)	Mode
Auto, Normal and Single (<i>with RUN/STOP hardware button on the DSO device</i>)	Source
CH1, CH2, Ext-Trig	Coupling
DC, HF rejection	Sensitivity
DC to 25MHz = 0.35div or 3.5mV; 25MHz to Max. = 1.5div or 15mV	Trigger Level
±4 divisions	Trigger Increments
0.1 division	Measurement and Processing
Special function	
Autoset, Monitor from Internet (TCP/IP)	Measurement
Vp-p, Vmax, Vmin, Vamp, Vtop, Vbase, Vupper, Vmiddle, Vlower, Vmean, Vrms, Positive overshoot, Negative overshoot, Period, Frequency, Pulse width	Cursor
Time difference, Voltage difference	Math
Add, Sub, Multiplication, Division	FFT
Rectangular (Vertical scale: dbV RMS, Linear RMS)	Export Data
WORD, EXCEL, CSV, TEXT, HTML, Clipboard, Hardcopy, Preview	Trigger Input/Output
EXT-TRIG Input Limitation	
TTL Level	EXT-TRIG Acknowledge Level
1.6V to 5V, rising/falling edge	EXT-TRIG Acknowledge Freq.
">10ns" and ">0.1 TIME/DIV"	TRIG-OUT
3.3v pulse, 20ns delay after trigger occurring (only for DS-1202 stack function)	Calibration Output
Level	
Approx. 3.3V	Frequency
1kHz ±0.5%	Environment
Operation	
0 C to +50 C	Storage
-10 C to +60 C	Physical
Interface	
USB2.0 (USB1.1 compatible)	Power
USB bus power	Dimension (device only)
135/80/26 mm3	Weight (device only)
230 g	Accessories
Probes	
DS-1102, DS-1202: 250MHz probe (1x/10x) x2	Others
DS-1002: 100MHz probe (1x/10x) x2	
Installation CD, USB2.0 cable, User manual, Soft case	