

Appendix

Specifications

The specifications apply under the following conditions: the instrument is powered on for at least 30 minutes, within +20°C~+30°C.

	IDS-8062/ 64	IDS-8102/ 04	IDS-8202/ 04
Channels	2/4	2/4	2/4
Bandwidth	DC~60MHz (-3dB)	DC~100MHz (-3dB)	DC~200MHz (-3dB)
Rise Time	5.8ns approx.	3.5ns approx.	1.75ns approx.

IDS-8062/ 2064/ 8102/ 8104/ 8202/ 8204

Vertical	Sensitivity	2mV/div~5V/Div (1-2-5 increments)
	Accuracy	± (3% x Readout +0.05div x Volts/div +0.8mV)
	Input Coupling	AC, DC, & Ground
	Input Impedance	1MΩ±2%, ~16pF
	Polarity	Normal & Invert
	Maximum Input	300V (DC+AC peak), CATII
	Waveform Signal Process	+, -, FFT
	Offset Range	2mV/div~20mV/div: ±0.5V 50mV/div~200mV/div: ±5V 500mV/div~2V/div: ±50V 5V/div: ±300V
	Bandwidth Limit	20MHz (-3dB)
	Trigger	Sources
Modes		Auto-Level, Auto, Normal, Single, TV, Edge, Pulse Width (2ch model only: Time-Delay and Event-Delay)
Coupling		AC, DC, LFrej, HFrej, Noise rej

	Sensitivity	DC~25MHz: Approx. 0.5div or 5mV 25MHz~max: Approx. 1div or 10mV
Ext Trigger (for 2ch model only)	Range	±15V
	Sensitivity	DC~30MHz: ~50mV 30MHz~max: ~100mV
	Input Impedance	1MΩ±2%, ~16pF
	Maximum Input	300V (DC + AC peak), CATII
Horizontal	Range	1ns/div~10s/div, 1-2-5 increment
	Modes	Main, Roll, X-Y
	Accuracy	±0.01%
	Pre-Trigger	20 div maximum
	Post-Trigger	1000 div
X-Y Mode	X-Axis Input	Channel 1
	Y-Axis Input	Channel 2
	Phase Shift	±3° at 100kHz
Signal Acquisition	Equivalent	25G Sa/s maximum
	Vertical	8 bits
	Resolution	
	Record Length	25K Dots Maximum
	Acquisition Mode	Sample, Peak Detect, Average
	Peak Detection	10ns
	Average	2, 4, 8, 16, 32, 64, 128, 256
Cursors and Measurement	Voltage	Vpp, Vamp, Vavg, Vrms, Vhi, Vlo, Vmax, Vmin, Rise Preshoot/ Overshoot, Fall Preshoot/ Overshoot
	Time	Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle
	Delay	FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF
	Cursors	Voltage difference (ΔV) Time difference (ΔT)
	Trigger	Resolution: 6 digits
	Frequency	Accuracy: ±2%
	Counter	Signal source: All available trigger source except the Video trigger

Control Panel Function	Auto Set	Automatically adjust vertical Volt/div, Horizontal Time/div, and Trigger level
	Save Setup	Internal memory: 20 sets USB Flash drive: > 20 sets
	Save Waveform	Internal memory: 20 sets + 4 Reference waveforms USB Flash drive: > 20 sets
Display	LCD	5.6 inch, TFT, brightness adjustable
	Resolution (dots)	234 (Vertical) x 320 (Horizontal)
	Graticule	8 x 10 divisions (menu On) 8 x 12 divisions (menu Off)
Interface	Go-No Go Output RS-232C	5V max/ 10mA TTL open collector DTE DB 9-pin male
	USB	Host: Flash drive, Printer Device: Data communication
Power Source	Line Voltage	100V~240V AC, 47Hz~63Hz
Miscellaneous	Multi-Language Selection	English/ Traditional Chinese/ Simplified Chinese
	On-Line Help	English/ Traditional Chinese/ Simplified Chinese
	Time Clock	Display: yy/mm/dd/hh/ss (time stamp for saved data)
Dimensions	254D x 142H x 310W (mm)	
Weight	Approx. 4.3kg	
Temperature	Operating	0°C~50°C
	Storage	-20°C~70°C
Humidity	Operating	80% R.H. @35°C
	Storage	80% R.H. @70°C