Model	GDS-307	GDS-310	GDS-320	GDS-207	GDS-210	GDS-220
VERTICAL						
Channels	2 (BNC-Shield)					
Input Impedance	1MΩ±2%, 16.5pf approx.					
Maximum Input	CAT II 300VRMS					
Input Coupling	AC, DC, GND					
Bandwidth	DC~70MHz (-3dB)	DC~100MHz (-3dB)	DC~200MHz (-3dB)	DC~70MHz (-3dB)	DC~100MHz (-3dB)	DC~200MHz (-3dB)
Rise time	<5ns	<3.5ns	<1.75ns	<5ns	<3.5ns	<1.75ns
Sensitivity	2mV/div~10V/div (1-2-5 increments)					
Accuracy	±(3% x Readout + 0.1 div + 1mV)					
Bandwidth Limit	20MHz(-3dB)					
Polarity	Normal, Invert					
Offset Position Range	2mV/div~50mV/div : ±0.4V 100mV/div~500mV/div : ±4V 1V/div~5V/div : ±40V 10V/div : ±300V					
SIGNAL ACQUISITION						
Realtime sample rate	1GSa/s					
Memory depth	5M points per ch			1M points per ch		
Acquisition mode	Average: 2~256 waveforms Peak detect: 10ns					

	sin(x)/x or ET
Replay wfms.	30,000 wfms.
TRIGGER	
Source	Ch1 or Ch2
Trigger mode	Auto, Normal, Single, Force
Trigger type	Edge, Pulse Width, Video, Alternate
Trigger Holdoff	10ns ~ 10s
Coupling	AC, DC, LFR, HFR, NR
Sensitivity	DC~25MHz: approx. 0.5div or 5mV 25MHz~ 70/100/200MHz: approx. 1.5div or 15mV
HORIZONTAL	
Range	5ns~100s/Div (1-2-5 increments)
Roll	100ms/div ~ 100s/div
Pre-trigger	10 div max.
Post_trigger	1,000 div max(depend on time base)
Accuracy	±20ppm over any > 1ms time interval
XY MODE	
Phase Shift	±3° at 100KHz
CURSOR AND MEASUREMENT	
Cursors	Voltage difference between cursors(ΔV), Time difference between cursors(ΔT), frequency measure(1/ΔT)

Auto-measurement	36 sets.	
Auto-counter	6 digits. Range: 2Hz to rated bandwidth	
Autoset	Available	
TEMPERATURE MEASUREMENT	Available	Non-Available
MISCELLANEOUS		
Multi-Language Menu	Available	
On-line Help	Available	
Time and Clock	Available	
BATTERY		
Battery power	Li-polymer 6100mA/hr, 7.4V (Built-in)	
Charge time	2.0 hour (75%)	
Operation time	4.1 hour, depending on operating condition.	
PROBE COMPENSATION		
	2V, 1KHz, 50% Duty cycle	
INTERFACE		
USB	USB Device (Isolation)	
Internal Flash Disk	120MB	
DISPLAY		
Type	7 inch	

Display resolution	480 x 800 pixels	
Display direction	Landscape & Portrait	
Backlight control	Manual adjustable, ECO mode	
Touch panel	Capacitive	
POWER ADAPTOR		
Line Voltage	AC 100V~240V, 48~63Hz, Power Consumption 40W	
DC Output	DC Output: 12V/3A, Double Shield	
OPTION		
Differential Probe	Dual-channel, 40MHz, CAT II 600V	
DIMENSIONS & WEIGHT		
	1.5Kg, HxWxD(mm) 240mm x 136mm x60 mm	
DMM (Digital Multi-Meter)		
DIGIT LEVEL	50,000 counts	5,000 counts
	CAT II 600VRMS, CAT III 300VRMS	
DC VOLTAGE		
Range	50mV, 500mV, 5V, 50V, 500V, 1000V 6 ranges	
Accuracy	GDS-307/310/320: 50mV, 500mV, 5V, 50V, 500V ±(0.05% + 5 digits), 1000V ±(0.1% + 5 digits) GDS-207/210/220: 50mV, 500mV, 5V, 50V, 500V, 1000V ±(0.1% + 5 digits)	
Input Impedance	10MΩ	

DC CURRENT	
Range	50mA, 500mA, 10A 3 ranges
Accuracy	GDS-307/310/320: 50mA - 500mA, 2 Ranges, ±(0.1% + 5 digits), 10A ±(0.5% + 1 digits) GDS-207/210/220: 50mA - 500mA, 10A 3 Ranges, ±(0.5% + 1 digits)
AC VOLTAGE	
Range	50mV, 500mV, 5V, 50V, 700V 5 ranges
Accuracy	50mV, 500mV, 5V, 50V, 700V ±(1.5% + 15 digits) at 50Hz-1kHz
AC CURRENT	
Range	50mA, 500mA, 10A 3 ranges
Accuracy	50mA, 500mA, ±(1.5% + 15 digits) at 50Hz-1kHz 10A ±(3% + 15 digits) at 50Hz-1kHz * Measure range: >10mA
RESISTANCE	
Range	500Ω, 5kΩ, 50kΩ, 500kΩ, 5MΩ, 5 range
Accuracy	500Ω, 5kΩ, 50kΩ, 500kΩ ±(0.3% + 3 digits) 5MΩ ±(0.5% + 5 digits)

	* Measure range: 50Ω to 5MΩ
DIODE TEST	Maximum forward voltage 1.5V, Open voltage 2.8V
CONTINUITY BEEP	< 15 Ω
FUNCTIONS	Auto Range, Max, Min, Hold, Trend plot