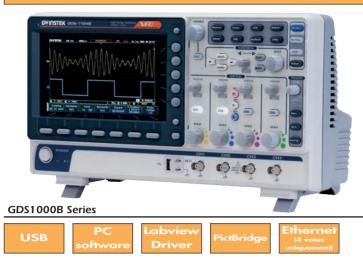
DIGITAL OSCILLOSCOPES 50 MHZ TO 200 MHZ



- 7 "TFT LCD color screen WVGA 800 x 480 dots
- Backup: 24 curves and 20 configurations (setup)
- GO NO GO functions
- $\Delta V \Delta T$ cursors
- Data logger
- Assistant for test probes from x0.1 to x2000
- HELP button
- Multilanguage

REF.	GDS1102B	GDS1202B	GDS1054B	GDS1104B	
Number of channels	2	2	4	4	
Bandwidth at -3dB	100MHz	200MHz	50MHz	100MHz	
Rise time	3.5ns	1.75ns	7ns	3.5ns	
Sampling frequency per channel	1 GSa/s in real time, 25 GSa/s in equivalent time				
Memory depth per channel	10.000.000 points				
Vertical resolution	8 bits				
Sensitivity / Precision	1mV/div to 10V/div / 4% for 1mV, 3% ≥ 2mV				
Time base / Precision	5ns/div to 100s/div sequence 1 - 2 - 5 / \pm 50ppm on time interval \ge 1ms				
Advanced triggers	Auto - Normal - Single shot - Front - Pulse width - TV - Rise / Fall - Expired delay - External delay				
Mathematical Functions - FFT	÷ + - x FFT, FFTrms, FFT Zoom, XY (phase shift 3%)				
Automatic measurement	36				
Automatic voltage measurement	Peak to peak, Max, Min, Amplitude, High, Low, Average, Cycle average, RMS, Cycle RMS, Zone, Cycle zone, Rise and fall overrun, Rise and fall pre-overrun				
Automatic period or frequency	Frequency, Period,	Frequency, Period, Rise and fall time, Width + and -, Duty cycle, Pulses +, Pulses, Pulse edge + and -,			
measurement	FRR, FRF, FFR, FFF, LRR, LRF, LFF, Phase				
CURSORS MEASUREMENT	Δν Δτ				
Autoset functions	yes (deactivation possible)				
Interfaces	Hi-Speed USB2.0				
Supply		100 - 240VAC. 50Hz ~ 60Hz, 30W			
Dimensions		380 x 208 x 124mm			
Weight		2,8kg			
Delivered with	Software on CD - Instructions				



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CE PRODUCTS

2 YEARS GUARANTEE

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GDS1000A-U SERIES SPECIFICATIONS

VERTICAL AMPLIFIERS	2 or 4 channels depending on models		
Input impedance	1MΩ // 16pF		
Calibrated attenuator / Precision	1mV/div at 10V/div / 4% for 1mV, 30% for the rest		
Coupling	AC - DC - ground		
Max voltage	300 Vrms CAT I		
Offset shift	1mV / div: ± 1.25V 2mV / div to 100mV / div: ± 2.5V 200mV / div to 10V / div: ± 125V		
OPERATING MODES	+, x, \div , FFT, FFTrms, User defined expression		
TRIGGER	Auto, normal, single shot. TV Flank , pulse width		
sources	CH1, CH2, sector, ext. (CH3, CH4 for 4-channel models)		
pre-trigger	0 to 10 divisions		
post-trigger	0 to 2,000,000 divisions		
couplings	AC, DC, HF, LF, REJ noise		
trigger sensitivity	1 div		
ACQUISITION			
sampling modes	Normal, Average, Peak detection, Single		
SAMPLING FREQUENCY			
In real time	1 Gsa/s on each channel		
Vertical resolution	8 bits		
Record length	10M points		
TIME BASES A and B			
Ranges / Precision - Time bases	5ns / div to 100s / div sequence 1-2-5 / 4% for 1mV, 3% ≥2mV		
Modes	Normal, scroll, window, zoom to window, XY		
Time base B	Selection of the "window" zone then window zoom		
AUTOMATIC MEASUREMENT	36		
Automatic voltage measurement	Peak to peak, Max, Min, Amplitude, High, Low, Average, Cycle average, RMS, Cycle RMS, Zone, Cycle zone, Uphill and downhill overrun, Pre-overrun of ascent and descent		
Automatic period or frequency measure- ment	Frequency, Period, Rise and fall time, Width + and -, Duty cycle Pulses +, Pulses, Impulse front + and -, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, Phase		
CURSORS MEASUREMENT	$\Delta \lor \Delta T \Delta f$		
OTHER FUNCTIONS			
Screen display	Alphanumeric column takes again the configuration of the		
HELP key for use	ranges, scanning, synchro, coupling, acquisition etc		
	Reminds the screen of the role of the front panel keys GO-NO GO, Data logger, Multi languages.		
Various functions	Ethernet (4-channel models only)		
USB HOST / USB DEVICE port	High speed USB2,0		
MISCELLANEOUS CHARACTERISTIC	s		
Adjustable backlit LCD display	7 " TFT WVGA color LCD screen (800 x 480 / 8 x 10 division)		
Dimensions / Weight	380x208x124 mm / 2.8kg / carrying handle		
Supply	100 to 240 VAC		
	300Vrms CAT I		

