Digital storage oscilloscopes 4 channels

- Bandwidth -3dB : 60MHz or 100MHz or 200MHz
- Sample rate 1GSa/s per channel (25Gsa/s equivalent time)
- Memory lenght : 25 kpoints
- Internal memory : 24 waveforms + 20 settings
- External memory : flash drive support or PC
- Color LCD display (fast TFT screen, viewer angle 45°)
- Dual time base
- Autoset . 27 auto measurements
- FFT – cursors – setup display
- RS232C and USB interfaces standard
- Multi-language . Help key. Color printout
- Battery power optionl (operating time: 3 hours)
- Software for PC supplied

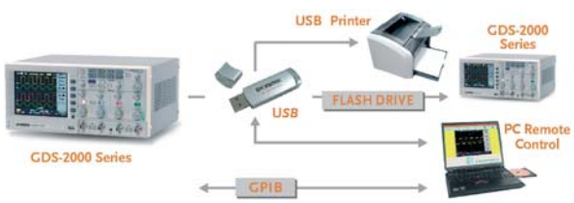
REF	GDS2064
Bandwidth -3dB	60MHz
Rise time	< 5.8ns

GW INSTEK
Made to Measure.

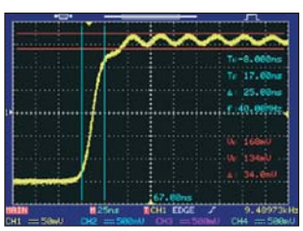
REF	GDS2104
Bandwidth -3dB	100MHz
Rise time	< 3.5ns

REF	GDS2204
Bandwidth -3dB	200MHz
Rise time	< 1.7ns

COMPLETE RANGE OSCILLOSCOPE




Save data on memory flash



COMMON CHARACTERISTICS	
VERTICAL AMPLIFIERS	2 or 4 input channels
Input impedance	1MΩ // 16pF
Sensitivity / Accuracy	2mV/div ~ 5V/div sequence 1 - 2 - 5 / 3%
Coupling	AC - DC – ground
Maximum input voltage	300 V (DC+AC) CAT II
Offset range	± 0.5V ±5V ±50V ±300V
MODES	±CH1 ±CH2 ±CH3 ±CH4 FFT, XY
TRIGGER	Auto Peak, normal, single. Edge + or – TV
Sources	CH1 , CH2 , CH3 , CH4, mains, ext.
Pulse width time delay	Upper/lower to a delay from 20ns to 10s
Pre-trigger	20 div max
Post-trigger	1000 div max
Event delay	Triggering after n events. 2<n< 65000
Coupling	AC , DC , HF , LF , REJ noise
SIGNAL ACQUISITION	
Modes	Sampling -Peak (pulse width >10ns) Average (2 4 8 16 32 64 128 256) – Single
SAMPLE RATE	
Real time sample rate	1GSa/s on each channel
Equivalent sample rate	25GSa/s (for recurring signal)
Peak detection	10ns
Vertical resolution	8 bits
RECORD LENGTH	25kpoints
TIME BASES A & B	
Ranges / Accuracy	1ns/cm ~ 10s/div sequence 1-2-5 / 0.01%
Modes	Normal, roll, window, window zoom XY SCAN
Time base B	Selection of the window than zoom in the window
Pre / Post-trigger	0 ~ 20 div / 0 ~ 1000 div
12 AUTO measurement of voltage	Vmin Vmax Vpp Vaverage Vrms Vamp Vhi Vlo
15 AUTO measurement of time	1/T T Rise/fall time. Duty cycle. Pulse width.
MEASUREMENT CURSORS	ΔV ΔT Δ1/T (frequency). Delay measurement: 8 modes
OTHER FUNCTIONS	
FFT (Fast Fourier Transfert)	4 algorithms: Hanning,Blackman flattop rectangular with measurement cursors : f Δf dB ΔdB
HARDCOPY by front key	Hardcopy on printer without or with PC
AUTOSET	Self adjustment : vertical sensitivity time/div and trigger
Probe assistant	x1 X10 x100 x 1000
Save setup	24 sets of waveform - 20 sets of measurement conditions
External USB flash memory	Data and waveform storage
GO – NO GO testing	Checks whether the signal violates the user template
FREQUENCY COUNTER	6 digits Accuracy: 2%
AUTOCALIBRATE	By software
DISPLAY	Ranges Sweep time Trigger Coupling Acquis. etc..

HELP front key	Reminds the function of the front keys
USB & software	1 USB for printer + 1 USB for flash memory + 1 RS232
GPIB interface optional	GPIB IEEE 488.2
OTHER CHARACTERISTICS	
Calibrator	Square signal 2Vcc 1kHz
Color LCD screen (5.6")	TFT type. 234x320 dots. 9x12cm
Dimensions / weight / Mains	310 x 142 x 254 mm / 4.3 kg / 100 ~ 240 VAC 50/60Hz
CEI	Class 1CATII 300V Pol2