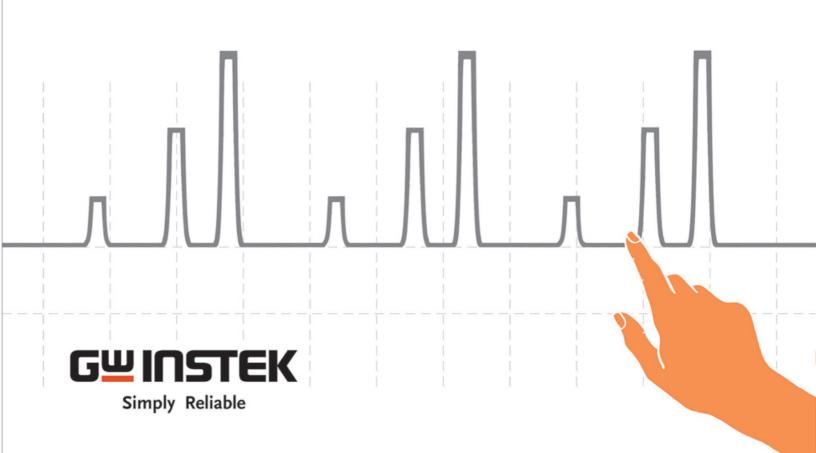
Angel in the Test and Measurement Sector

Sexy and Beyond



The Origin of The Story... A Mission Impossible

The fact-finding task force received an urgent mission.

The mission stated the task force must infiltrate into enemy's territory to reconnoiter its secret equipment.

Four engineers from the strategic equipment department gathering around a round table were testing their new equipments. One male engineer was holding a notebook computer and downloading enemy's

latest infrastructure information. Engineer right next to him was planning avenues of approach with his tablet computer.

Another engineer was installing the latest version of instant messenger. Tom, the youngest, was holding a new device which was neither a cell phone nor a tablet computer.

A signal-like waveform appeared on the device. He said "This is an Oscilloscope." "Oscilloscope?" With no time to clarify, "Fall In!" it is time for mission briefing.



After the mission briefing was over, commanding officer announced "Commence the Equipment Selection". Female agent Angel discovered a piece of very eye-catching and extraordinary new

equipment from a pile of equipment. The very sharp intuition drove her to check out the equipment's tag - " **Angel Sexy Scope** ". It is she! Angel, demonstrated a superb perspective from the very beginning, put it into her bag without hesitation.

Michael from the other team was picking up oscilloscope and DMM. When he was putting them in his bag, someone reminded him "don't forget to bring a calculator and a Data Book".



hile arriving enemy's Customs, Customs officials were vigilantly checking Angel's small bag. Opened her bag and looked inside. They let her through without any speculation that Angel was carrying a test and measurement instrument in her bag. Michael, with a very noticeable large suitcase, was asked to open all his belongs. He was checked very thoroughly. When Angel was sitting back and enjoying champagne after checking in the hotel, Michael was just about to dump everything back into his suitcase at the airport and was ready to flag down a cab.

Sneaking into the suspicious scene, Angel, with a very light load, opened Sexy Scope in hand and operated by smooth and rapid touching screen. Signals were measured within the designated time even under the most urgent situation. A built-in engineering calculator was applied to obtain data. Enemy cut off power once found out intrusion. In the meantime, Angel was communicating with the HQs. Angel was not only able to send back waveforms via cell phone App-LINE, but also sent data to Charlie in the US and Yuki in Japan simultaneously by the HQs' request. Both English and Japanese reports must be compiled in order to swiftly read data. Angel utilized built-in languages and immediately sent out the required reports. She left the scene without a trace.

t this moment, Michael was just about to prepare instruments to measure signals and talked to the HQs. When the power was out, the HQs was demanding waveforms to be sent back immediately. Michael replied "wait a minute". Five seconds later, the emergency backup generator of the building was activated and Michael did the measurement all over again. Michael's team started to look for a USB to store waveforms, and turned on the computer, transmitted the saved waveforms from the USB to computer.

They finally sent out the data by the computer. The HQs demanded data to be sent again to Charlie and Yuki is different languages. Michael unplugged the USB, plugged into oscilloscope and stored the data again......At this moment, enemy forces had been approaching quickly......!

fter the mission was over, Angel quickly finished the check-in process at the airport. Michael, with the heavy and over-sized baggage, was repacking the entire baggage to avoid overweight fee. Not only was the repacking trouble, language issue also lead Michael to have a quarrel with theairport personnel. When Angel was gracefully listening to the music with her earphones in the departure lounge Michael dragged his heavy baggage and sweated like a pig. He just arrived in the lounge.

New mission briefing....All tasks had been assigned.. Commanding officer said "commence the equipment selection". Everyone was fighting to get the eye-catching GDS-300......

Angel in Hand, Unrestricted Strength Missions Impossible Become Possible!

New Generation, New Choice Subvert Tradition, Remarkable Achievement



Sexy and Beyond

Agent ID	Angel				
Height	240 mm [9.45 "]				
Weight	1.5kg [3.31b]				
	Traite				



Traits

- 1. New generation waveform test and measurement expert.
- 2. Petite yet sexy. Powerful inside.
- 3. Full touch-screen operation. Pale old oscilloscopes in comparison.
- Omnipotent expert faces all challenges and always surprise and conquer all enemies.
- 5. Smart connection with all devices. Complete measurement data transmission with a fingertip.
- 6. Double power packs support. Fear no changing combat environment.

Battle Performance

- Unexpected appearance and functions. Even enemies' customs' sharp eyes can not discover.
- Any contingency in any country, always simultaneously monitor waveform and duty voltage. Save 10 minutes in key assignment time outperforming ordinary agents.
- 3. Even under emergency power outage, always transmit complex reports back to the headquarters and allies in 20 seconds. Always rapidly and safely withdraw from the scene. Complete Mission Impossible every single time.

 $oldsymbol{\Delta}$ Caution

PATENT PENDING !!



SELECTION GUIDE

MODEL	GDS-307	GDS-310	GDS-320	GDS-207	GDS-210	GDS-220
Bandwidth	70MHz	100MHz	200MHz	70MHz	100MHz	200MHz
Sample Rate	1GSa/s	1GSa/s	1GSa/s	1GSa/s	1GSa/s	1GSa/s
Memory Length	5M pts	5M pts	5M pts	1M pts	1M pts	1M pts
DMM Count	50,000	50,000	50,000	5,000	5,000	5,000
Temperature Measurement	✓	✓	✓	-	-	-



GDS-300/200 Series

Digital Storage Oscilloscope

- 200/100/70MHz Bandwidth Selections, Two Input Channels
- 1GSa/s Maximum Sample Rate
- Maximum 5M/1M Memory Depth Per Channel
- 7" 800 x 480 Full Touch Panel Capacitive LCD Multi-Point Control, Landscape and Portrait Display
- Built-In 50,000/5000 Counts DMM
- 30,000 Consecutive Waveform Records Logging Function, Replay Measurement Results Any Time
- Temperature Measurement and Logging Function
- Built-In Engineering Calculator, SMD Resistance Coding, Color Coding Info, and Attenuator Calculation Application Software
 - Optional Differential Probe to Achieve Isolation Effect









APPLICATIONS

- Large Electric System Tests
- Power Product Tests
- Motor Tests
- Solar Power Battery Inspection and Repair
- Maintenance Personnel Always on Field Assignments



	NS	CDC 207	CDC 210	CDC 220	CDC 207	CDC 310	CDC 220	
	82 4	GDS-307	GDS-310	GDS-320	GDS-207	GDS-210	GDS-220	
VERTICAL	Channels Input Impedance	2 (BNC-Shield)	of approx					
	Maximum Input	$1M\Omega\pm2\%$, 16.5pf approx.						
	Input Coupling	AC, DC, GND						
	Bandwidth		DC~100MHz (-3dB)	DC~200MHz (-3dB	DC~70MHz (-3dB)	DC~100MHz(-3dB)	DC~200MHz (-3	
	Rise Time	<5ns	<3.5ns	<1.75ns	<5ns \	<3.5ns	<1.75ns `	
	Sensitivity		v (1-2-5 increments)				
	Accuracy Bandwidth Limit	±(3% x Readout	+ 0.1 div + 1mV)					
	Polarity	20MHz(-3dB) 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						
man tana ing assessment Summananana assess	Memory Depth	5Mpoints per ch 1Mpoints per ch						
	Acquisition Mode Replay Wfms.	Average: 2–256 waveforms; Peak detect: 10ns; sin(x)/x or ET 30.000 wfms.						
TRIGGER	Source	Ch1 or Ch2						
MODER	Trigger mode	Auto, Normal, Single, Force						
	Trigger type		th, Video, Alternate					
	Trigger Holdoff Coupling	10ns ~ 10s AC, DC, LFR, HF	R NR					
	Sensitivity	RESERVED THE MEAN STORE WARREN AND ADMITTOR	ACTACLE SOCIETY	: 25MHz~ 70/100/2	200MHz : approx. 1.	5div or 15mV		
HORIZONTAL	Range	5ns~100s/Div (1			F P. O	oranist seem territor t		
	Roll	100ms/div ~ 100						
	Pre-trigger	10 div max.						
	Post-trigger		pend on time base					
	Accuracy	The second secon	y > 1ms time interv	al				
XY MODE	Phase Shift	±3° at 100KHz						
CURSOR AND	Cursors	Voltage differenc 36 sets.	e between cursors (\triangle V), Time differen	ce between cursors (\triangle T), frequency me	asure(1/△T)	
MEASUREMENT	Auto-measurement Auto-counter		2Hz to rated bandw	idth				
	Autoset	o digits. Range. 2	inz to rated bandw	idii				
TEMPERATURE MEASUREMENT		Available			Non-Available			
MISCELLANEOUS	Multi-Language Menu	Available						
	On-line Help Time and Clock	Available Available						
BATTERY	Battery power		mA/hr, 7.4V (Built-i	1)				
	Charge time	2.0 hour (75%)	No.	Date:				
DDODE COMPENSATION	Operation time	4.1 hour, depend 2V, 1kHz, 50% D	ling on operating co	ondition.				
PROBE COMPENSATION INTERFACE	1100		•					
INTERFACE	USB Internal Flash Disk	USB Device (Isol 120MB	iation)					
DISPLAY	Туре	7 inch						
	Display Resolution Display Direction	480 x 800 pixels Landscape & Por						
	Backlight Control	Manual adjustab						
	Touch Panel	Capacitive	,					
DMM	Digit Level	50,000 counts			5000 counts			
	DCV/II		, CAT III 300VRMS					
	DC Voltage Range Accuracy		V, 50V, 500V, 1000V		s); GDS-220/210/207:5	0mV 500mV 5V 500V	1000\/+(0.1%,54;~	
	Input Impedance	$10M\Omega$.501110,5001110,50,500,	oov±(0.05%+ouights	5), GD3-220/210/207.3	om,300m,30,300v,	.000v±(0.170+3dig	
	DC Current Range	50mA, 500mA, 1						
	Accuracy		07:50mA ~ 500mA, 07:50mA~500mA, 1		5 digits),10A±(0.5%	+ 1 digit)		
	AC Voltage Range Accuracy	50mV, 500mV, 5\	/, 50V, 700V 5 rang	es				
	AC Current Range	50mV, 500mV, 5V, 50V, 700V ±(1.5% + 15 digits) at 50Hz~1kH 50mA, 500mA, 10A 3 ranges						
	Accuracy RESISTANCE Range	50mA, 500mA, \pm (1.5% + 15 digits) at 50Hz~1kHz; $10A \pm (3\% + 15 \text{ digits})$ at 50Hz~1kHz *Measurement range:>10m. 500Ω , $5K\Omega$, $50K\Omega$, $50K\Omega$, $50M\Omega$ 6 range						
	Accuracy	500 Ω , 5K Ω , 50K Ω , 500K Ω \pm (0.3% + 3 digits); 5M Ω \pm (0.5% + 5 digits) *Measurement range:50 Ω ~5M Ω Maximum forward voltage 1.5V, Open voltage 2.8V						
	Diode Test Temperature Range	-50°C ~ +1000°C		en voltage 2.8V				
	(thermocouple) Resolution	0.1°C						
	Thermocouple Continuity Beep	B, E, J, K, N, R, $< 15 \Omega$	S, T*Specifications d	o not include probe acc	curacy. Temperature spe	cifications only apply to	the GDS-320/310/3	
	Functions	< 15 \(\Omega \) Auto Range, Max, Min, Hold, Trend plot						
POWER ADAPTOR	Line Voltage	AC 100V~240V, 4	7~63Hz, Power Co	<u> </u>	C Output : 12V/3A, I	Double Shield		
OPTION	Differential Probe		MHz, CAT II 600V					
DIMENSIONS & WEIGHT		240.2(W) x 136.0	(H) x 59.7(D) mm;	Approx. 1.5 Kg				

ORDERING INFORMATION

GDS-320 200MHz, 2 Channels, Digital Oscilloscope GDS-310 100MHz, 2 Channels, Digital Oscilloscope GDS-307 70MHz, 2 Channels, Digital Oscilloscope GDS-220 200MHz, 2 Channels, Digital Oscilloscope GDS-210 100MHz, 2 Channels, Digital Oscilloscope GDS-207 70MHz, 2 Channels, Digital Oscilloscope

GOOD WILL INSTRUMENT CO., LTD.

GSC-010 Soft Carrying Case Quick start guide x 1, User manual CD x 1, Power cord x 1 GTP-100A-4 100MHz Probe, Suitable for GDS-307/207, GDS-310/210
GSC-011 Soft Carrying Bag
GTP-200A-4 200MHz Probe, Suitable for GDS-320/220
GAP-001 AC-DC Adaptor GAP-001 AC-DC Adaptor GWS-001 Wrist Strap Multimeter Test Lead x 2 GTL-207

GDP-040D 40MHz Dual-channel Differential Probe, Suitable for GDS-300/200 Series GTL-253 Mini USB Cable GCL-001 Vertical Calibration Cable

OpenWave 200 Software



Specifications subject to change without notice. DS300200GD1BH