TOOLS ELECTRICAL ENGINEERS OFTEN APPLIED







IDS-200/300 series oscilloscopes have built-in diversified application software to provide users with very thoughtful auxiliary tools. In the tedious circuit design process, engineering calculator software provides mathematical calculation functions from basic to advanced allowing engineers to thoroughly understand circuit response and parameter

value. Resistance calculation software not only provides accurate resistance value for different surface embedded resistance codes but also color coding resistance value enquiry function. It is a very powerful auxiliary tool for users from students to senior electrical engineers

MAGE STORAGE AND PREVIEW FUNCTION



IDS-200/300 series oscilloscopes can record screen images and preview images. In many complex test and measurement environments, when engineers can not observe images from his or her computer immediately after images were stored the image preview function allows users to make sure file is correct right away. Pre-observation operation is also very convenient to users.

USED AS USB COMPONENT



Once engineers finished waveform measurement and report compilation, IDS-200/300 series oscilloscopes can be used as USB storage component to retrieve and store files. Briefing speaking, users can use USB connecting cable to connect IDS 200/300 with the PC or handheld device to retrieve any required files for follow-up actions. Today, smart phone is ubiquitous, measurement results can be transmitted via smart phone that saves a lot of troubles.



In many strict test and measurement environments, system power isolation and grounding problem have become one of the key issues. Bad isolation and grounding will have serious impact on circuit system safety. Optional differential probe of IDS-200/300 series oscilloscopes can achieve equivalent isolation results for measurement system and there is no grounding problem. Under today's economic constraints, using differential probe to achieve isolation result is one of the best choices.

TEMPERATURE MEASUREMENT AND LOGGING FUNCTION



IDS-200/300 series oscilloscopes' built-in temperature measurement and logging function allows users to conduct systematic temperature measurement and logging for electric components and electric systems. This function can collocate with different temperature measurement probes. B,E,J,K,N,R,S,T thermal coupling measurement probes are also supported to conduct Celsius and Fahrenheit scaled temperature measurement. Users can also use trend plot editing to conduct temperature monitoring in a long period of time. It is a simple and convenient measurement tool for quality assurance and test departments.

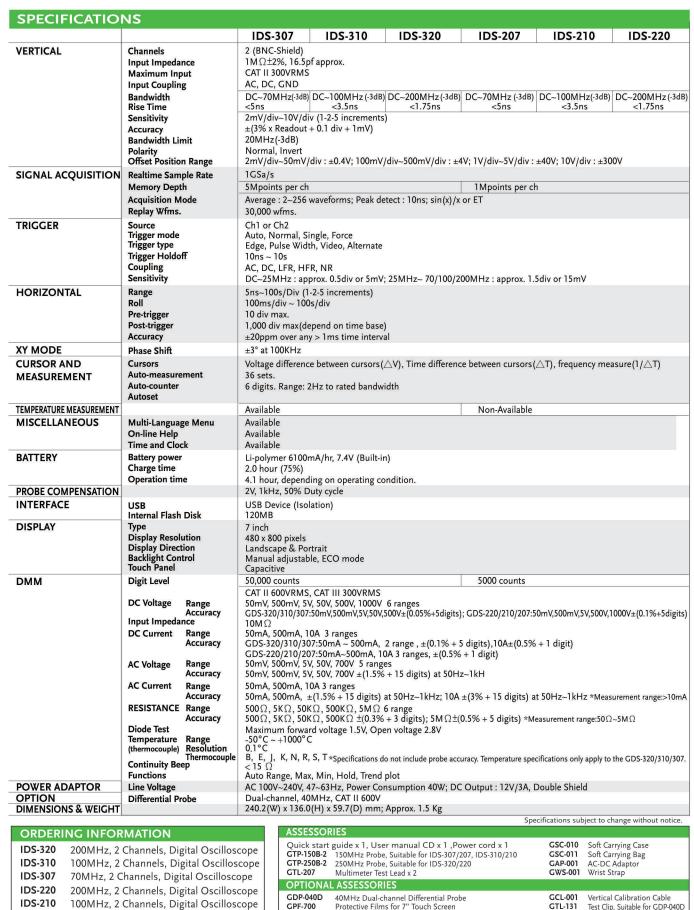
OPTIONAL DIFFERENTIAL PROBE



(w) x 130.0(11) x 33.7(b) 11111, Approx. 1.3 kg								
			Specifications subject to change without notice.					
ASSESSOF	RIES							
Quick start GTP-150B-2 GTP-250B-2 GTL-207		GSC-010 GSC-011 GAP-001 GWS-001	Soft Carrying Case Soft Carrying Bag AC-DC Adaptor Wrist Strap					
OPTIONAL ASSESSORIES								
GDP-040D GPF-700 GTL-253	40MHz Dual-channel Differential Probe Protective Films for 7" Touch Screen USB Cable, USB 2.0, A-mini B Type, 1400mm	GCL-001 GTL-131	Vertical Calibration Cable Test Clip, Suitable for GDP-040D					
FREE DOV	VNLOAD							
OpenWave 20	00 Software							

ISO-TECH

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IDS-200/300 Series

200/100/70MHz Digital Storage Oscilloscope

FEATURES

- 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 50,000/5,000 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



The brand new portable 7" full touch panel capacitive LCD, featuring multi-point touch panel method which allows engineers to move waveform position, adjust waveform size, and set trigger conditions easily, subverts the traditional handheld instrument. With this unique feature, engineers can retrieve DUT's signals easily under the complex working environment. Landscape or portrait measurement display not only clearly shows waveforms under full screen status but also combines multi-functional measurement environment to achieve unimaginable measurement results.

Built-in, the second to none, the longest 5M sample memory depth helps engineers diagnose waveforms in great details. The long memory depth can record detailed waveform data and help engineers reproduce the original waveforms while engineers are conducting long observation or retrieving detailed transient signals. Any delicate changes of analog waveforms can be clearly presented in front of engineers when they adjust time scale from long to short that leaves no measurement problems unanswered.

Built-in 50,000 counts (IDS-300) or 5,000 counts (IDS-200) DMM helps engineers accurately measure DUT's electric parameters including not only measurements of D.C. voltage, A.C. voltage, D.C. current, A.C. current, resistance and diode polarity, but also temperature measurement and monitoring. The analysis of trend diagrams further completes test and measurement. DMM can simultaneously work with oscilloscope to conduct multi-measurement tasks.

Normally, engineers wish to effectively record intermittent signals while retrieving a series of signals during a long period of time. IDS-300/IDS-200's built-in 30,000 consecutive waveform records logging function not only records 30,000 waveform records in a long period of time but also replays the recorded data that allows engineers to identify intermittent problems occurred during the recorded time. Leave no problems unidentified.

Engineers need to isolate power and solve corresponding grounding issue while conducting circuit debugging. One of the criteria engineers must overcome is to maintain system grounding and isolation safety in the strict test and measurement environment such as no grounding system or no isolation. IDS-300/200 provide optional differential probe to effectively assist engineers in solving isolation and grounding problems that elevates the efficiency and safety of test and measurement.

Engineers often need some calculation tool software to conduct circuit design and debugging analysis during the R&D process. IDS-300/200 oscilloscopes, with the built-in standard engineering calculator, allow engineers to verify parameters during the test and measurement process. While using unknown resistance, engineers can obtain resistance value via color coding calculation software. If any attenuator was designed in the circuit, IDS-300/200 can also provide corresponding attenuator model and attenuation value calculation.

200/100/70 MHz Digital Storage Oscilloscope



IDS-200 Series



IDS-300 Series









IDS-300/200 Series Rear Panel

SELECTION GUIDE

MODEL	IDS-307	IDS-310	IDS-320	IDS-207	IDS-210	IDS-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	✓	✓	✓	_	_	-

A. BRIEF ELABORATION

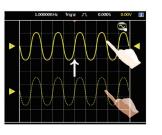


IDS-200/300 Series oscilloscopes, with two analog signal input channels, have standard advanced and economical models which come with 70MHz, 100MHz and 200MHz bandwidth. The maximum sample rate per channel is 1GSa/s and memory depth is 5Mpts. Both series oscilloscopes are equipped with 50,000 counts DMM which can simultaneously measure and monitor A.C. and D.C. voltage and current, and temperature. Trend diagrams in a long period of time can also be drawn that allows engineers to effectively monitor standard electric parameters while measuring basic

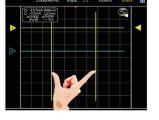


circuit signals. Engineers are aware of ISO-TECH oscilloscopes' thoughtful designs through diversified application software. Advanced DMM function and GO/NOGO template editing facilitate users in conducting advanced diversified measurement functions. Engineering calculator, attenuator calculation analysis, and resistance value calculation analysis help users apply auxiliary functions that demonstrate the concept of powerful and comprehensive technological integration.

FULL TOUCH PANEL CAPACITIVE LCD



IDS-200/300 series oscilloscopes adopt full touch panel capacitive LCD. In the era of smart phone explosion, ISO-TECH can also usher users into the full touch panel measurement era. With only one finger, users not only can move waveform up and down but also the trigger line position. Two-point touch panel is also applied. Engineers can use two fingers to



adjust vertical voltage level and to enlarge or narrow time division scale. The brand new touch panel and swift response renew your measurement concept. Additionally, one finger drag menu selection allows users to follow their intuition to locate required measurement functions, and to save and retrieve diagrams and data anytime anywhere.

PORTRAIT/LANDSCAPE DISPLAY



IDS-200/300 series oscilloscopes allow portrait and landscape display. Engineers have different requirements under different environments. When field test and measurement is necessary engineers often need portrait display to conduct measurement due to environment limitation and the emphasis of integrated functions. Waveform measurement and



DMM can be simultaneously operated. When indoor test and measurement is required engineers often need stable measurements and large screen which is answered by landscape display. 7" full measurement screen can also be applied as a stable desk-top oscilloscope.

. SIMULTANEOUS APPLICATION OF OSCILLOSCOPE AND DMM



710,938

Autoset

Forward

Autoset

Traditional oscilloscopes can not meet users' requirements of conducting integrated system circuit measurement. One extra DMM is often required to work with traditional oscilloscopes to handle enormous test requirements. IDS-200/300 series oscilloscopes integrate the functions of oscilloscope and DMM to conduct simultaneous measurement. In the analysis of system circuit waveforms, IDS-200/300 can also use DMM to measure basic voltage and current of the peripheral components that provides users with very powerful test integration.

IDS-200/300 series oscilloscopes have built-in 30,000 waveform records replay function. With this function, engineers can monitor circuit in a long period of time. When 30,000 waveform records are completed history records can be replayed repeatedly. Any intermittently appeared abnormal waveforms can be identified by this function which provides users with a very powerful search and debugging weapon.

30,000 WAVEFORM RECORDS REPLAY FUNCTION

BRIEFING MATERIAL COMPILATION



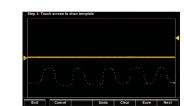
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Engineers or students often compile briefing material for work or class requirements. The completeness and convenience of briefing often determine users' performance. IDS-200/300 series oscilloscopes provide very strong briefing material compilation function. Before compiling briefing material, users can select different test and background

conditions such as date, time and cursor. In addition, measurement parameters can also be determined based upon different requirements. This customer-made function not only shows the complete waveforms but also provides peripheral parameters to become the key communication bridge for work and class requirements.

GO/NOGO TEMPLATE EDITING





Many component or system manufacturers require GO and NOGO product analysis for quality control or production. IDS-200/300 series oscilloscopes have the same GO/NOGO function as that of ISO-TECH other oscilloscopes. This function establishes corresponding waveform templates based on waveforms measured to conduct GO or NOGO

results calculation. Additionally, IDS-200/300 have template editing function. Users not only can edit template freely according to test or environment conditions but also set templates with different ceiling and floor boundaries, making GO/NOGO function more diversified and user-friendly.