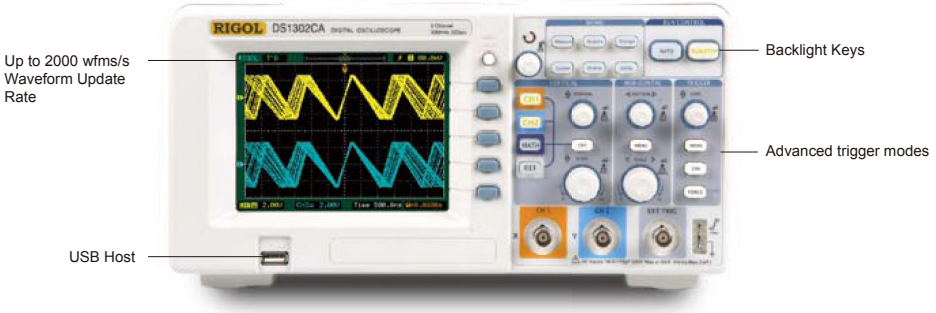
DS1000CA Series Digital Oscilloscope

Up to 300MHz Bandwidth
Up to 2000 wfms/s Waveform Update Rate



Product Dimensions: Width×Height×Depth＝303mm×154mm×133mm Weight: 2.3 kg

Application Areas

· Design and debug · Manufacturing · Education and Training · Service and Repair

Features and Benefits

1. Up to 300MHz Bandwidth
2. 2 GSa/s Real-time Sample Rate and 50 GSa/s Equivalent-time Sample Rate
3. Compact design with small footprint to save bench space
4. 5.7'' 64K color TFT LCD Display
5. Up to 2000 wfms/s Waveform Update Rate
6. Advanced trigger modes including Edge, Video, Pulse Width, Slope and Alternate
7. Built-in USB Host and USB Device to support USB flash drive, Direct Print and direct system upgrades

Model	DS1302CA	DS1202CA	DS1102CA	DS1062CA
Bandwidth	300 MHz	200 MHz	100 MHz	60 MHz

Specifications

Model	DS1302CA	DS1202CA	DS1102CA	DS1062CA
Bandwidth	300 MHz	200 MHz	100 MHz	60 MHz
Memory Depth	10 kpts (5 kpts on 2 channels)			
Channels	2 channels＋external trigger			
Real-time Sample Rate	2 GSa/s (1 GSa/s on 2 channels)			
Equivalent-time Sample Rate	50 GSa/s	25 GSa/s		10 GSa/s
Rise Time	1.2 ns	1.8 ns	3.5 ns	5.8 ns
Input Impedance	1 MΩ ‖ 15 pF, 50 Ω		1 MΩ ‖ 15 pF	
Timebase Range	1 ns/div ~ 50 s/div	2 ns/div ~ 50 s/div		5 ns/div ~ 50 s/div
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternate			
Vertical Sensitivity	1 mV/div ~ 10 V/div			
Vertical Resolution	8 bits			
Maximum Input voltage	All Inputs 1MΩ‖15pF 300V CAT I or 50Ω 5Vrms Max			
Cursor Measurement	Manual, Track and Auto Measure modes.			
Math	＋, －, ×, FFT			
Internal Storage	10 waveforms,10 setups			
USB Storage	BMP, CSV, Waveforms and Setups against USB flash drive's limit			
Connectivity	USB Device, USB Host, RS-232, Pass/Fail, Out			
Display	TFT (64 k color LCD), 320 × 234 resolution			
Power Supply	AC:100V~240 V, 45Hz~440Hz, 50VA Max			

Intuitive User Interface

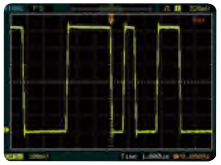
Display Intensity Control
Adjustable display intensity makes the waveform observations easier

File System
Easy to Use file system supports USB flash drive and local file storage

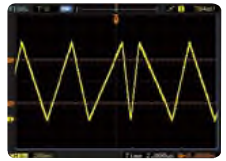
Built-in Help System
Easy access to the Built-in help system by pressing and holding the key for 3 seconds

Advanced trigger modes

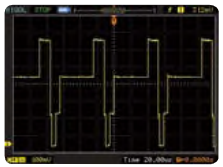
Rising & Falling Edge trigger
Mainly used to view special signals such as eye-diagrams, formally only available in more advanced digital oscilloscopes



Pulse Width Trigger
Triggers on the conditions of special pulses



Slope Trigger
Triggers on the signals rise time or fall time that is user defined



Video Trigger
Trigger according to the selected video signal

Alternate Trigger
Provides a true dual time base display that was common in analog oscilloscopes