

Digital Oscilloscope

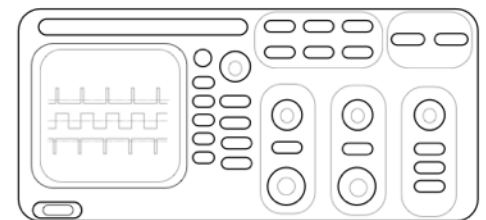


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Precision Instrumentation Since 1963

B N C | **m o d e l** | **1 3 0 2 C A**



FEATURES:

300 MHz Bandwidth . 2 GSa/A Sample Rate . Dual Channel + Ext. Trigger . 5 Trigger Modes . 5.7" TFT Display . Multi-Language. Automatic Measurements . USB . Pass/Fail Test . BMP/CSV Storage



BNC

model

1302CA

SPECIFICATIONS

Bandwidth	300 MHz
Memory Depth	10 kpts (Single Channel), 5 kpts (Dual Channel)
Channels	Dual Channels + External Trigger
Real-time Sample Rate	2 GSa/s(Single Channel), 1 GSa/s (Dual Channel)
Equivalent Sample Rate	50 GSa/s
Rise Time	1.1 ns
Time Base Range	1 ns/div to 50 s/div
Input Impedance	1 M Ω 15 pF, 50 Ω
Time Base Precision	\pm 50ppm
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternative
Trigger Sources	CH1, CH2, Ext, Ext/5, AC Line

COMMON PARAMETERS

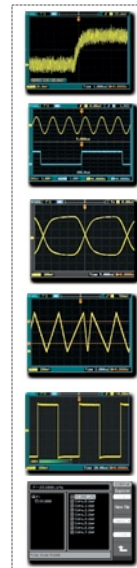
Vertical Sensitivity	2 mV/div to 10 V/div
Vertical Resolution	8 bits
Input Coupling	DC, AC, Ground
Maximum Input Voltage	300 V (DC + AC peak)
Roll Range	500 ms/div to 50 s/div
Automatic Measurements	Vpp, Vamp, Vmax, Vmin, Vtop, Vbase, Vavg, Vrms, Preshoot, Overshoot, Frequency, Period, Rise Time, Fall time, Positive Width, Negative Width, Positive Duty Cycle, Negative Duty Cycle, Delay1 \rightarrow 2 \uparrow , Delay 1 \rightarrow 2* \downarrow
Cursor Measurements	Manual, Track and Auto Measure modes
Math	Add, Subtract, Multiply, FFT, Invert
Storage	Internal : 10 Waveforms and Setups USB : BMP, CSV, Waveforms and Setups
I/O	USB Device, USB Host, RS-232, P/F Out
Display	TFT (64K, Color LCD), 320 x 234
Power	Worldwide Use, 100 – 240 V / 50 VA Max
Weight	2.3 kg

X-Y OPERATION

Bandwidth	300 MHz
Phase Difference	\pm 3 $^{\circ}$

The Model 1302CA is the first digital oscilloscope with 2GSa/s real-time sample rate, 50GSa/s equivalent sample rate, and up to 300MHz bandwidth. These high performance specifications lead the signal recovery instrumentation field in this product class.

The Model 1302CA boasts a respectable 2000 wfms/s refresh rate, enabling users to capture even the most demanding signals, digitally storing and presenting waveforms and allowing a fast troubleshooting or test and checkout routine. Other features include an ultra bright color display with a full 5.7" viewing area, versatile trigger modes (slope, alternative, rise & fall edge, etc...) enabling users to characterize signals quickly and simply. When considering oscilloscopes for your application, be sure to consider our same day shipping and low unit cost, niceties that complement our world-class specifications and around the clock engineering support staff.

**Adjustable Trigger Sensitivity:**

The ability to filter noise from the signal avoids false triggers

Alternative Trigger:

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

Rise Edge and Fall Edge Trigger:

Mainly used to view eye-diagrams formally only available in more advanced DSO's

Slope Trigger:

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

Waveform Intensity:

Adjustable waveform intensity provides a personalized waveform display

File System:

Easy-to-use file system allows for both USB disk and local file storage

