

*This series of digital oscilloscopes are ideal for engineers and technicians in the performance of complex measurements and troubleshooting during on-site inspection.*

## Overview

GAO A0110004 digital storage oscilloscopes integrate a digital oscilloscope (DSO), a digital Multimeter (DMM) and a 6 bit digit frequency counter into one unit. They cover bandwidths from 25 MHz to 200 MHz and provide real-time and equivalent sample rates respectively from 1 GSa/s to 25 GSa/s. These oscilloscopes feature auto scale function, automatic settings function, automatic parameter measurements, and advanced triggering options. They also boast multifunctional dials and powerful shortcut keys which help users to save time in operation.



## Features

- ✓ Multiple language user interfaces
- ✓ Automatic setting function
- ✓ Sampling rate up to 25 GSa/s
- ✓ 27 automatic measurement functions
- ✓ Math functions include add, subtract, multiply, divide
- ✓ Advanced trigger functions include edge, pulse, video and alternative
- ✓ Cursor tracking measurements
- ✓ FFT analysis
- ✓ Special recording, storage and playback function

## Technical Specifications

Model	A011000 4A	A011000 4B	A011000 4C	A011000 4D	A011000 4E	A011000 4F	A011000 4G
Bandwidth	25 MHz	40 MHz	60 MHz	80 MHz	100 MHz	150 MHz	200 MHz
Rise Time	≤14 ns	≤8.7 ns	≤5.8 ns	≤4.5 ns	≤3.5 ns	≤2.3 ns	≤1.8 ns
Real-time Sampling Rate	125 MS/s	250 MS/s	250 MS/s	500 MS/s	500 MS/s	1 GS/s	1 GS/s
Equivalent Sampling Range	25 GS/s						
Vertical Sensitivity	5 mV to 50 V/div						
Record Length (Max)	2 × 512k						
Scan Time Base	10 ns to 50 s/div	5 ns to 50 s/div	5 ns to 50 s/div	5 ns to 50 s/div	5 ns to 50 s/div	2 ns to 50s /div	2 ns to 50 s/div
Trigger Type	Edge, Pulse, Video and Alternate						
Automatic Waveform Measurements	27						
Frequency Counter	6 digits frequency counter						
Ports	USB Host						
Mathematics	Add, Subtract, Multiply, Divide, FFT						
Interface	Color and Mono display selectable						
Power Supply	battery or adaptor						
Life of Battery	3 hours						
Other Features	Multimeter, special one click copy function						
<b>Multimeter</b>							
Resistance	600 Ω/ 6 MΩ/60 MΩ: ± (1.5% + 5 digits) 6 kΩ/ 60 kΩ/600 kΩ: ± (1.2% + 5 digits)						
DC Voltage	600 mV, 6 V, 60 V, 600 V, 1000 V: ± (1% + 5 digits)						
AC Voltage (45 Hz to 400 Hz)	600 mV, 6 V, 60 V, 600 V, 700 V: ± (1.2% + 5 digits), Frequency: <200 Hz ± (1.5% + 5 digits), Frequency: ≥200 Hz						
DC Current	6 mA, 60 mA, 600 mA: ± (1.2% + 5 digits)						

6 A:  $\pm (1.5\% + 5 \text{ digits})$

AC Current  
(45 Hz to 400 Hz) 6 mA, 60 mA, 600 mA:  $\pm (2\% + 5 \text{ digits})$   
6 A:  $\pm (2.5\% + 5 \text{ digits})$

Capacitance 6 nF, 6 mF:  $\pm (5\% + 10 \text{ digits})$   
60 nF, 600 nF, 6  $\mu$ F, 60  $\mu$ F, 600  $\mu$ F:  $\pm (1.5\% + 5 \text{ digits})$

Continuity Buzzer  $\checkmark$

Diode  $\checkmark$

Trend Diagram  $\checkmark$

Testing Mode Manual / Auto ranging

Max Display 5999

**General Specification**

Power 100 V to 240 V 50/60 Hz 1.5 A

LCD Size Diagonal 145 mm (5.7 inches)

Product Color Red and Grey

Product Net Weight 1.8 kg

Product Size 268 mm  $\times$  168 mm  $\times$  60 mm

Accessories Probe  $\times$  2 (1x, 10x switchable)  
Current Voltage Convertor  $\times$  2(UT-M03, UT-M04)  
Power Cord, DC Adaptor and English Manual, Test Lead

**GAO Group Inc.**

*Celebrating Over 20 Years of Innovation*

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