



Automotive Diagnostic Equipment

OHAD4000

- 70 MHz bandwidth.
- 4 channel oscilloscope with isolated channels, 1 GSa/s real-time sampling rate.
- Designed and equipped for over 80 types of standard automotive measurement function (ignition action, sensors, bus diagnosis, start-up, charge, etc.).
- 2 mV-10 V/DIV high input sensitivity and large input range.
- Dynamic cursor tracking, waveform recording and replay function.
- USB 2.0 interface plug and play; no need for additional power supply; supports tablet and PC; support Windows 7, 8, 10, etc.; supports USBXI.

Model	OHAD4000
Bandwidth	70 MHz
Automotive Measurement Function	Intake manifold vacuum and ignition, petrol fume adjusting valve vacuum and ignition, idle exhaust ignition, starting exhaust ignition Sensors: air flow meter, camshaft, crankshaft, distributor, lambda sensor, throttle position; CAN bus data examination, CAN bus signal integrity, CAN bus LH long time acquisition, LIN bus Performance: Petrol, diesel Starter and charging circuits
Channel	4
Real-time Sampling Rate	1 GSa/s
Memory Depth	64 K
Time Base Precision	±50 ppm
Time Base Range	2 ns/div-1000 s/div (1-2-4 sequences)
Input Impedance	1 mΩ, 25 pF
Input Sensitivity	2 mV/div~10 V/div
Vertical Resolution	8Bit
Vertical Displacement Range	2 mV ~ 10 V/div @ x1 probe; 20 mV ~ 100 V/div @ x10 probe; 200 mV ~ 1000 V/div @ x100 probe; 2 V ~ 10000 V/div @ x1000 probe
DC Gain Accuracy	±3%
Bandwidth limit	20 MHz
Trigger Mode	Edge, pulse, video, alternative
Trigger Source	CH1, CH2, CH3, CH4
Waveform Signal Process	+, -, x, ÷, FFT, invert
Cursors Measurement	Cross, trace, horizontal, vertical
Auto Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, preshoot, overshoot, frequency, period, rise time, fall time, positive width, negative width, duty cycle.
Volume	175 mm x 105 mm x 25 mm
Weight	0.9 kg

Options:

OHAD4000-A1	Large Dolphin / Gator Clip
OHAD4000-A2	Auto High-Pressure Ignition Probe
OHAD4000-A3	Acupuncture Probe Set
OHAD4000-A4	Dolphin/Gator Clip Cable
OHAD4000-A5	Aluminum Case
OHAD4000-A6	Multimeter Probe
OHAD4000-A7	Auto Test Cable
OHAD4000-A8	Coil-on-Plug Extension Cord (with Earth Cord)
OHAD4000-A9	65 A Current Clamp
OHAD4000-A10	20: 1 Attenuator
OHAD4000-A11	Break Out Leads
OHAD4000-A12	Car Power Adapter
OHAD4000-A13	650 A Current Clamp
OHAD4000-A14	Paper Case

OHAD4000 Accessory Kit

Model No.	Accessory						
	OHAD4000-A14	OHAD4000-A5	OHAD4000-A1	OHAD4000-A6	OHAD4000-A10	OHAD4000-A2	OHAD4000-A7
OHAD4000 Kit I	1	0	1	1	0	1	1
OHAD4000 Kit II	0	1	2	2	2	1	4
OHAD4000 Kit III	0	1	4	4	4	4	4
OHAD4000 Kit IV	0	1	4	4	4	4	4
Model No.	OHAD4000-A11	OHAD4000-A3	OHAD4000-A8	OHAD4000-A12	OHAD4000-A4	OHAD4000-A9	OHAD4000-A13
OHAD4000 Kit I	0	1	0	0	3	0	0
OHAD4000 Kit II	1	1	0	0	2	0	0
OHAD4000 Kit III	1	1	4	1	2	0	0
OHAD4000 Kit IV	1	1	4	1	2	1	1