



Digital Storage Oscilloscope

- Sample rate 25 Meg per second
- 51 Pre-set waveforms that include sensor, actuator, electrical and ignition patterns
- DC to 5 MHz Bandwidth
- Sweep rate 1 μ S to 50 seconds in the scope mode
- "Glitch Snare" mode captures, displays and optionally saves abnormal signal patterns in Scope or Component Test modes
- Secondary Ignition displays the waveform and includes spark voltage, RPM, burn time and burn voltage
- Parade pattern on secondary ignition "Parade" mode
- Built in 'Help' includes test procedure showing how to connect to the circuit, a sample of the expected waveform, theory of operation and troubleshooting tips
- Optional Diesel accessory to test injector pump timing and RPM

Specifications

Horizontal

Sample Rate:	25 Mega sample/second
Record Length:	1000 points
Update Rate:	Real time roll
Accuracy:	$\pm(0.1\% + 1 \text{ pixel})$
Sweep Rate:	1 μ s to 50 sec in a 1,2,5 sequence (scope mode)
	5 s to 24 hours in a 1,2,5 sequence (GMM mode)

Vertical

Band Width:	DC to 5MHz; -3 Db
Resolution:	8 bit
Channel:	2 Channel
Coupling:	AC, DC, GND
Input Impedance:	1 M Ω
Max Input Voltage:	DC or AC 600 Vrms
Volt Division:	50mV~100V in a 1,2,5 sequence
Accuracy:	$\pm 3\%$

Trigger

Trigger Source:	CH A, CH B, External
Modes:	Single shot, normal, auto
Coupling:	AC, DC
Slop:	Rising and falling edge

Others

Glitch Snare:	Scope mode
Setup Memory:	8 Waveform & setup
Reference Waveform:	51 Waveform & setup
Cursor:	Time & Volt
Instrument Setup:	Language, Contrast, Graticule
Screen Size:	280 x 240 pixels (active area) with backlight (EL)
Battery Life:	4 hours without backlight
Battery:	Rechargeable NiMH

Graphing Multimeter

- TRMS Graphing Multimeter
- 5 seconds to 24 hour sweep rate
- AC / DC Volts
- Ohms, Continuity, Diodes
- Frequency, Duty Cycle, Dwell
- Ignition Peak and Burn Volts, Ignition Burn Time
- Amps (with optional adapter)
- Temperature (with optional adapter)

Specifications

RPM

Range	Resolution	Accuracy
120~12,000	1 RPM	±2 RPM

FREQUENCY

Function	Range	Resolution	Accuracy
Frequency	10Hz	0.001Hz	±0.1% +3d
	100Hz	0.01Hz	"
	1kHz	0.1Hz	"
	10kHz	1Hz	"
	100kHz	10Hz	"
	1MHz	100Hz	"
	5MHz	1kHz	"
% Duty	2.0~98%	0.1%	
Dwell	3.6°~356.4°	0.1°	1.2°/krpm+2d
Pulse Width	2µs~450ms (Pulse Width > 2µs)		

DC VOLTAGE

Range	Resolution	Accuracy
500mV	0.1mV	±0.3% +5d
5V	0.001V	"
50V	0.01V	"
600V	0.1V	"
> Input Impedance 10MΩ		

AC VOLTAGE

Range	Resolution	Accuracy	Accuracy
500mV	0.1mV	40~400Hz	400Hz~20kHz
		±0.5% +5d	±0.2% +5d
5V	0.001V	"	"
50V	0.01V	"	"
600V	0.1V	"	"
> Input Impedance 10MΩ			

AC+DC

Range	Resolution	Accuracy	Accuracy
500mV	0.1mV	40~400Hz	400Hz~10kHz
		±0.8% +5d	±3.0% +5d
5V	0.001V	"	"
50V	0.01V	"	"
600V	0.1V	"	"

OHMS

Range	Resolution	Accuracy
500Ω	0.1Ω	±0.5% +5d
5kΩ	0.001kΩ	"
50kΩ	0.01kΩ	"
500 kΩ	0.1kΩ	"
5MΩ	0.001MΩ	±0.75% +5d
30MΩ	0.001MΩ	±0.75% +10d

DC AMPS (CURRENT PROBE OUTLET)

Range	Resolution	Accuracy
30mA~20A	1mV~10mA	±1.5% +20mA
100mA~40A	1mV~100mA	±2.0% +20mA
40A~60A	1mV~100mA	±4.0% +0.3A

AC AMPS (CURRENT PROBE OUTLET)

Range	Resolution	Accuracy	Accuracy
30mA~20A	1mV~10mA	40Hz~1kHz	1~5kHz
		±2.0% +20mA	±4.0% +30mA
100mA~40A	1mV~100mA	"	±6.0% +30mA
40A~60A	1mV~100mA	±8.0% +0.3A	±8.0% +0.3A

CONTINUITY

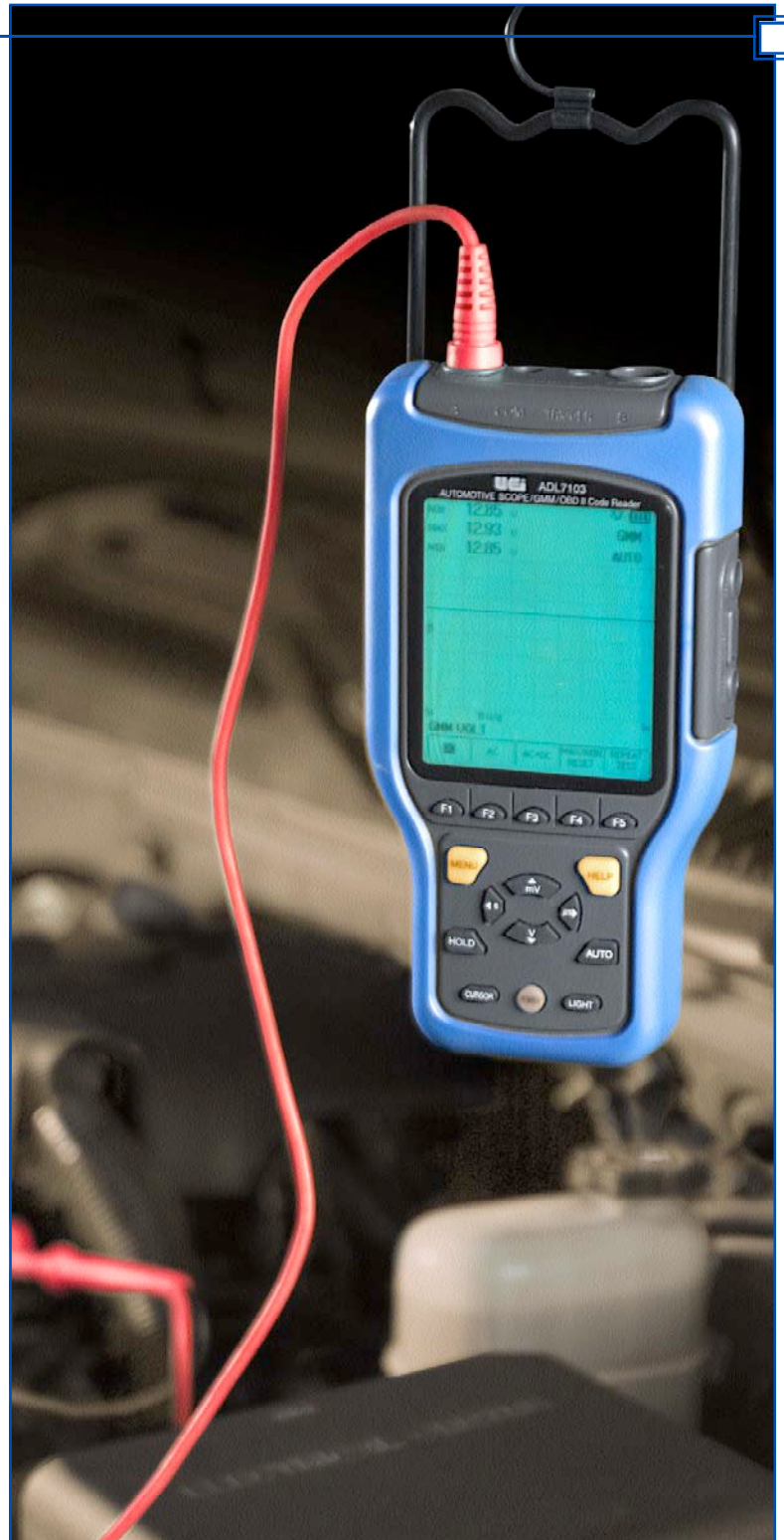
Test Voltage	Threshold	Response Time
1.2V	Approx. 70Ω	1mS

DIODE TEST

Range	Open Circuit Voltage	Accuracy
2.0V	3.0V	±2.0% +5d

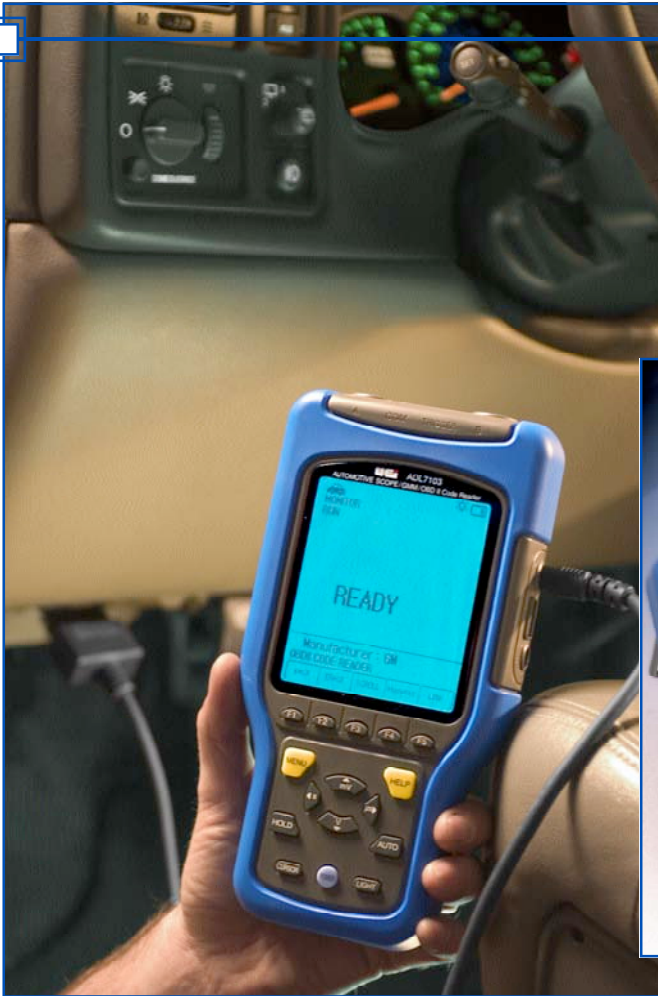
TEMPERATURE

Range	Resolution	Accuracy
-58~2372°F	1°F	±5°F
-50~1300°C	0.1°C	±3°C



OBDII Code Reader

- Active and Pending Codes
- Generic and Manufacture Specific Definitions (GM, Ford, Chrysler, Toyota and Honda)
- I/M Readiness Monitor Status Indication
- Erase DTC's (diagnostic trouble codes) and reset MIL capability
- USB Interface easily supports future updates (software sold separately)



Accessories

Standard

Inductive Pick-up	ADL7100A10
3-Way Alligator Clip	ADL7103AC5W
AC Adapter	ADL7103ACDC
Battery	ADL7103BAT
Back-probe tips (1 red, 1, black, 1 yellow)	ADL7103BP
Ground Lead	ADL7103GL
OBD II Cable	ADL7103OBD
2mm Probe Tip (1 red, 1 black, 1 yellow)	ADL7103PT
Secondary Ground Probe	ADL7103SG
Secondary Ignition Probe	ADL7103SIP
Test Leads (1 red, 1 yellow)	ADL7103TL
Carry Case	ADL7103CC

Optional

Diesel Interface Probe	ADL7103ADP
Battery to Cigarette Plug Adapter	ADL7103BCA
Cigarette Lighter adapter	ADL7103CA
Temperature Probe	ADL7103TEMP
USB Interface Kit	ADL7103USB



USA

(800) 547-5740 • Fax: (503) 643-6322
E-mail: info@ueiautomotive.com

CANADA

(604) 278-4511 • Fax: (604) 278-8299
E-mail: kirstyu@ueitest.com

EUROPE

+44 1707 375550 • Fax: +44 1707 393277
E-mail: sales@kane.co.uk