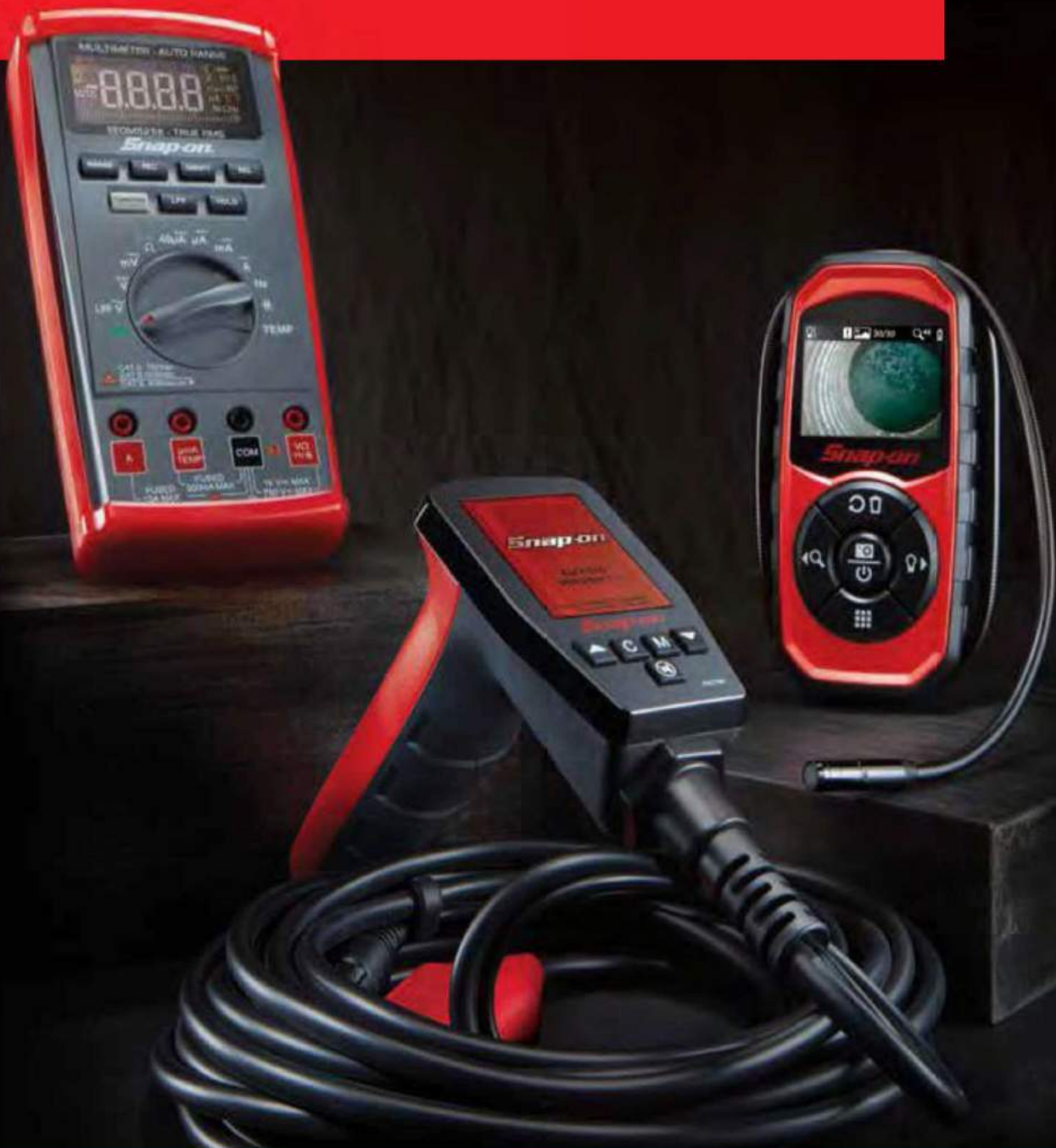




Snap-on® videoscopes, listening devices, multimeters, circuit testers and other specialty analyzers help you detect and diagnose everything from the slightest engine noises to the most complex electrical issues.

TURNING TECHNICIANS INTO DETECTIVES.

Whatever the problem, our meters and analyzers help you get to the bottom of it quickly. Regardless of whether it's related to amps, volts, HC, CO₂, O₂, NO_x, grounds, shorts, watts, RPM, decibels, compression, cylinder leakage, vacuum issues — you name it.



TESTING AND ELECTRONICS



7-Year Limited Warranty on Snap-on® meters

Automotive Digital Multimeters



EEDM596EK



EEDM525E



EEDM504D



EEDM503D



EEDM570



EEDM575D

Specifications	EEDM596EK	EEDM525E	EEDM504D	EEDM503D	EEDM570	EEDM575D
Certificate of Calibration Model	EEDM596ECRT†	EEDM525ECRT†	EEDM504DCRT†	—	EEDM570CRT	EEDM575DCRT
Display Count	40,000	4,000 Color	4,000	2,000	5,000	11,000
AC Volts	750	750	750	750	600	600
DC Volts	1,000	1,000	1,000	1,000	600	600
Basic DC Accuracy	0.10%	0.50%	0.50%	0.50%	1.5%	0.5%
AC Amps	10	10	10	10	100	1,100
Micro Amps	Yes	Yes	Yes	Yes	No	400 DC
DC Amps	10	10	10	10	100	400
True RMS (Root Mean Square)	Yes	Yes	No	No	No	Yes
Resistance, ohms	40M Ohm	40M Ohm	40M Ohm	20M Ohm	50 Meg Ohms	110 Mega Ohms
Capacitance	Yes	Yes	Yes	No	5,000 micro farad	100 mF
Frequency	Yes	Yes	Yes	No	200 kHz	10 kHz
Insulation Test	No	No	No	No	No	No
Analog Bar Graph	Yes	Yes	Yes	No	Yes	Yes
Auto Range	Yes	Yes	Yes	No	Yes	Yes
Data Hold	Yes	Yes	Yes	Yes	Yes	Yes
Min/Max	Yes	Yes	Yes	No	Yes	Yes
Backlight	Yes	Yes	No	No	Yes	No
Color Screen	Yes	Yes	No	No	Yes	Yes
Auto Shut-Off	Yes	Yes	Yes	No	Yes	Yes
RPM	Yes	EEDMRPMG (opt.)	EEDMRPMG (opt.)	EEDMRPMG (opt.)	No	EEDMRPMG (opt.)
Adjustable Trigger Level	Yes	No	No	No	No	No
Noise Reduction Circuit	Yes	Yes	No	No	No	No
Temperature	MT586B1 (incl.)	MT586B1 (opt.)	EEDM506C† (opt.)	EEDM506C† (opt.)	Yes	MT586-4 (opt.)
Duty/Dwell	Yes	Duty Only	Duty Only	No	No	No
mS Pulse Width	Yes	No	No	No	No	No
Comp. Output (USB)	Yes, Included	No	No	No	No	No
UL® Listed	cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1
CAT Rating	CATII 750 V AC, CATIII 1,000 V DC, CATIII 600 V AC/DC	CATII 750 V AC, CATII 1,000 V DC, CATIII 600 V AC/DC	CATII 750 V AC, CATII 1,000 V DC, CATIII 600 V AC/DC	CATII 750 V AC, CATII 1,000 V DC, CATIII 600 V AC/DC	Cat III, 600 V	CATIII 600 V
Easy Open Battery and Fuse Door	Yes	Yes	Yes	Yes	Battery Only – no fuse	Yes
Glitch Capture	Yes	No	No	No	No	No
Blown Fuse Identifier	Yes	Yes	Yes	Yes	No	No
Dimensions, inches	7-3/4 x 3-3/4 x 1-1/2	7-3/4 x 3-3/4 x 1-1/2	7-3/4 x 3-3/4 x 1-1/2	7-3/4 x 3-3/4 x 1-1/2	10.4 x 2.9 x 104	10 x 1-3/8 x 2-1/2
Case or Zipper Pouch	MT586BK1	EEDM504B4 Pouch (standard), MT586BK1 Hard Case (optional)	EEDM504B4	EEDM50484 (opt.)	EEDM575DBCSE	EEDM575DBCSE
Replacement Fuses	EEDM504B1 EEDM504B2	EEDM525D6 EEDM525D7	EEDM504B1 EEDM504B2	EEDM503B2 EEDM504B2	No	EEDM504B1

*Certified and UL listed
The Multimeters on this page include a basic lead set.
†CE

TECHNICAL SUPPORT 1-888-382-6522

TESTING & ELECTRONICS



• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4

DIGITAL MULTIMETERS

7-Year Limited Warranty on Snap-on® meters
5-Year Limited Warranty on Blue-Point® meters



Digital Multimeters

Specifications	EEDM604E	EEDM650C	MT454C**†	MT501C**†	MT574C**†
Certificate of Calibration Model	EEDM604ECRT	EEDM650CCRT	No	No	MT574CCRT
Display Count	50,000	4,000	4,000	2,000	4,000
AC Volts	1,000	1,000	600	600	600
DC Volts	1,000	1,000	600	600	600
Basic DC Accuracy	0.05%	±0.1% + 2 digits	0.50%	0.75%	0.30%
AC Amps	10	400 mA	No	No	400 mA
Micro Amps	Yes	Yes	No	No	No
DC Amps	10	400 mA	No	No	400 mA
True RMS (Root Mean Square)	Yes	Yes	No	No	No
Resistance, ohms	(plus conductance)	40M Ohm	40M Ohm	2K Ohm	40M Ohm
Capacitance	Yes	Yes	No	No	No
Frequency	Yes	Yes	No	No	No
Insulation Test	No	Yes	No	No	No
Analog Bar Graph	Yes	No	No	No	No
Auto Range	Yes	Yes	Yes	No	Yes
Data Hold	Yes	Yes	No	Yes	Yes
Min/Max	Yes	Yes	No	No	Yes
Backlight	Yes	Yes	No	No	No
Color Screen	Yes	Yes	No	No	No
Auto Shut-Off	Yes	Yes	Yes	No	Yes
RPM	EEDMRPMG (opt.)	EEDMRPMG (opt.)	No	EEDMRPMG (opt.)	EEDMRPMG (opt.)
Adjustable Trigger Level	No	No	No	No	No
Noise Reduction Circuit	No	Yes	No	No	No
Temperature	MT586B1 (opt.)	MT586B1	No	EEDM506C† (opt.)	EEDM506C† (opt.)
Duty/Dwell	Yes/Duty	No	No	No	No
mS Pulse Width	Yes	No	No	No	No
Comp. Output (USB)	No	No	No	No	No
UL® Listed	cULus 61010-1	cULus 61010-1	cULus 3111	cULus 3111	cULus 3111
CAT Rating	CATIII 1,000 V CAT IV 600 V	CATIII 1,000 V CAT IV 600 V	CATIII 600 V	CATIII 600 V	CATIII 600 V
Easy Open Battery and Fuse Door	Yes	Yes	No	No	No
Glitch Capture	Yes	Yes	No	No	No
Blown Fuse Identifier	Yes	Yes	No	No	No
Dimensions, inches	3-13/16 x 8 x 2-13/32	9 x 4-1/4 x 2	6 x 3 x 2	6 x 3 x 2	6 x 3 x 2
Case or Zipper Pouch	EEDM650CPB	EEDM650CPB (opt.)	EEDM504B4 (opt.)	EEDM504B4 (opt.)	EEDM504B4 (opt.)
Replacement Fuses	EEDM604C1 EEDM604C2	EEDM604C1	No	No	EEDM504B1

*Certified and UL® listed

**Blue-Point®

†The Multimeters on this page include a basic lead set.

† CE

TECHNICAL SUPPORT 1-888-382-6522

Digital AC/DC Clamp On Meters

EEDM570 Low Current Color Digital Display Clamp Meter

- Measures DC V, AC V, OHMS, DC AMPS, AC AMPS, Hz, Temperature and Capacitance
- Inductive Amp Reading 0–100 A, 0–5,000 mA
- Auto-ranging and auto-zero on all amp functions
- 7/8" (22.5 mm) cable clamp opening enables use on battery cables even heavy duty sizes
- Bar graph to monitor rapidly changing signals
- True RMS for accurate AC readings
- AC/DC amps – for current readings
- AC/DC volts – for voltage readings
- OHMS – for resistance tests
- Capacitance – for testing capacitors
- Frequency – for testing on/off cycling of voltage
- Peak-hold – captures high readings
- Record – captures Min/Max readings
- CE approved six languages
- Temperature – F and C
- Seven-year warranty
- Rear battery compartment for easy access for replacement
- Safety ratings: Cat III 600 V, CE and CUL



DIGITAL MULTIMETER ACCESSORIES

EEDM5030 Pressure Adaptor

- Measure pressure from 1–500 PSI and vacuum from 1–29 inHg
- Output is 1mV DC per PSI or inHg
- Ideal for measuring transmission or hydraulic pressure
- 1/4" NPT fitting on pressure transducer
- Sensor compatible for air or liquid
- 6-1/2' cable length



EEDMRPMG Gasoline Engine RPM Adaptor

- Ideal for small, single cylinder, 2 and 4 stroke gas engine applications
- Use with any digital multimeter that has DC mV ranges to measure gasoline engine RPM
- Plug adaptor into DMM (set to DC mV function), clip lead above engine spark plug boot and multiply reading by ten
- Range is 300–6,000 RPM
- Output is 1mv DC per 10 RPM
- Powered by 9 V battery (included)



EEDMRPMD Diesel Engine RPM Adaptor

- Ideal for small diesel engine applications
- Measures diesel engine rpm
- Plug adaptor into the DMM (set to IP), attach transducer to fuel line leading to an injector and read RPM on the meter
- Range is 300-4,000 rpm
- Resolution is 1 rpm, powered by 9 V battery (included)



EEDM5997 DMM RPM Adaptor

- Use with 2 or 4 stroke engines
- Use in conjunction with an automotive feature meter with IP (inductive pick-up) setting
- For motorcycles, outboard motors, snowmobiles and ATVs with limited or no ignition shielding
- Internal circuitry filters out noise
- Non-intrusive pick-up features dual tapped coils to help eliminate errors



EEDMDVA Direct Voltage Adaptor

- Converts outboard marine, motorcycle and other small engine ignition pulse signals into DC voltage signals
- Adaptor helps identify secondary ignition problems like failed individual coil packs or poor spark



EEDM5830 Amp Adaptor

- Allows DMMs to accurately measure up to 30A AC/DC by converting the signal to millivolts
- Measure current draw of individual circuits from fuse box on automobiles, trucks and buses
- Measure the parasitic load on the battery
- Requires no internal/external power supply
- Range of 0-30A



The Multimeters on this page include a basic lead set.



• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4

DIGITAL MULTIMETER ACCESSORIES



EETA106B

EETA106B Inductive Pick-Up (Blue-Point®)

- For use with the EEDM596DK and EEDM586DK DMMs
- The non-intrusive pickup slides over to the secondary ignition spark plug wire and snaps shut for quick hook-ups without directly connecting to ignition circuit
- Covering a wide ranging signals it can be used on most engines with 2 and 4 cycle ignition systems including small engines and waste spark systems
- 7' of cable makes it ideal for even deep engine compartments



EETA501C

EETA501C Clamp on Amp Probe

- Measures AC and DC currents greater than 10A without breaking the circuit
- Ideal for measuring starter (A) and automotive current draw
- Used with DMMs that have 2 V and 200mV AC and DC ranges
- Range: 0-20A on 200mV AC or DC, 0-400A on 2 V AC or DC
- 400 AC/DC amp adaptor for TPI440, TPI460, TPI192/TPI194



EETA502C

EETA502C Clamp on Amp Probe

- Measures AC and DC currents greater than 10 amps (the limit of most DMM's) without breaking the circuit
- Ideal for measuring starter current draw (amps) and automotive current draw
- Used with DMMs that have 2 V and 200mV AC and DC ranges
- Range: 0-2,000 amp AC or DC



EETA503C

EETA503C Low Current Adaptor

- AC/DC low current adaptor for digital multimeters with DC mV Range and 10 mA impedance
- Measures parasitic current draw on battery cable when key is in the off position to indicate component failures or shorts in electrical system
- Quickly measures branch circuit draw to isolate the problem area
- Safely measures current draw of electrical fuel pumps
- Measures from 10 mA to 60 amps
- Includes EETA503C1 Dual Banana Adaptor



EEDMMAGSTRAP

EEDMMAGSTRAP Magnetic Multimeter Hanger

- For use with all Snap-on® and Blue-Point® EEDM series Multimeters
- Attach strap under top of Multimeter boot then choose to hang with hook or magnet
- Position so the display is facing the work area, hands are free to probe terminal, wiring or components in a circuit with lead set
- Leads can safely hang from the meter to the work area
- If using the tilt stand on the back, the magnet in the strap can be used to stabilize the unit from vibration when engine is started



EEDM506D

Temperature Probes and Adaptors

EEDM506D Temperature Adaptor

- Adds temperature capabilities to multimeters that do not have built-in temperature functions
- Provides dual temperature and differential temperature measurements for multimeters
- Output equals 1mV per degree

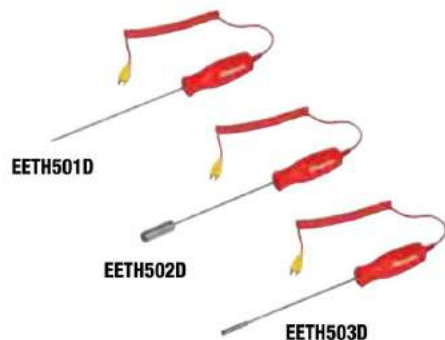
- Use with any multimeter with 200mV DC and/or 2 V DC ranges
- Provides readings from -50 -1,800 ° F
- Includes two beaded K-type temp probes
- Low battery indicator light
- Accuracy: ±0.75% of full scale + one digit



MT586-4

MT586-4 Temperature Probe

- Use with EEDM506D temperature adaptor



EETH501D

EETH502D

EETH503D

EETH501D 8" Liquid Temperature Probe

EETH502D 8" Surface Temperature Probe

EETH503D 8" Tip Air Temperature Probe

- Patented instinct® red handle provides comfort and grip while probing and positioning the tip
- Stainless-steel shank will not corrode
- 4' flexible coil thermo cable keeps the multi-meter a safe distance from heat or cold
- Proven K-type thermocouple for connection to the DMM
- Can be used with optional EEDM506D temperature adapter for multi-meters that do not have temperature function built in

EEDM504B3 Test Lead Set with Alligator Clips

- Standard vinyl jacketed set of test leads with screw-on alligator clips provides basic application testing needs
- Screw-on probe protectors limit the metal probe shaft from touching during testing for safety (remove the protectors when using alligator clips or adaptors)



EEDM504B3

TL2A Test Lead Set (Blue-Point®)

- High grade test lead pair fits all meters using standard banana plug jacks
- Non-slip prodding probes have stainless-steel points
- Coiled cords stretch to more than 60"
- Screw-on alligator clips convert the leads to jumper wires
- Banana plug screws allow use with most multimeters

TL2A



MTTL725 Hard Tip DMM Test Lead Set

- 58" length offers a greater reach advantage
- Silicone double insulation wire jacket for safety if outer jacket is nicked, a white under layer is revealed
- 90° serrated flexible strain relief for improved long life
- Sleek threaded insulator tips provide easy access to tight spots and allows use of current accessories

- Special tip configuration is designed to accept push-on accessories
- Snap-on® logo and part number molded in the test lead ends
- CAT III 1,000V, CAT IV 1,000V safety rating



MTTL725

MTTL575 DMM Test Lead Set

- 70" length offers greater flexibility in reach
- Silicone double insulation wire jacket for safety – if outer jacket is nicked, a white under layer is revealed
- 90° serrated flexible strain relief protects the wire from being kinked at the probe or terminal ends for longer life
- Push/pull finger collar for sure grip pressure putting on or pulling off
- CAT III 1,000 V and CAT IV 600 V safety rating
- Protective plastic collar surrounds the banana jack for safety

- Enables long distance testing such as brake lights and underhood while in the cockpit
- Acts as an extension cord for even longer reach when servicing large equipment
- Can be used in high-heat situations around manifolds or exhaust systems
- Jacket material will not burn, even in a flame
- Remains flexible in extreme cold where poly products get hard or stiff



MTTL575

EETA107B Shielded Test Lead

- Shielded test leads block out radio frequency interference (RFI)
- 6' leads are heat and oil resistant

EETA108B Extra Long Scope Lead Set

- 10' leads extend the reach of scope/meter leads for testing hard-to-reach components



EETA108B



MTTL504

MTTL504 Fused Test Leads

- 48" fused test leads help protect unfused digital multimeters from electronic damage
- Provides additional protection when measuring high voltage
- Includes test lead set with alligator clips and five extra fuses
- Overall length is 48"



TLS7B

TLS7B Test Lead and Adaptor Kit

- Quick attach probes and mini alligator clips press onto the straight PVC jacketed lead set
- Threaded hook clips, standard plugs and alligator clips thread onto the probe ends
- Provides an economical set for conducting various tests



• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4

TEST LEADS



MTTL500

MTTL500 Test Lead Kit

- Interchangeable probes permits wider range of testing possibilities
- Right angle 48" long test leads are made from double insulated silicone super flex wire
- Spring hooks for use on 16 gauge and smaller bare wire
- Alligator clips for attachment to bolts and large wire conductors
- Spade terminals for use on terminal blocks and prods for probing wire ends



MTTL600



MTTL301



MTTL700



MTTL300



MTA70



MTTL505

MTTL505 Grabber Lead Set

- Grabber leads slide in to grab wire or terminal ends in tight areas
- Recommended for use with MTTL500 modular test lead set or MTTL700 with the MTTL7002 screw-on banana plug adaptors
- Use with any threaded test lead set using the MTTL7002
- Finger grip and plunger placement provides technician controlled placement of the jaws even under extreme conditions
- Jaw gripping pressure securely bites on the target terminal or wire
- Plunger and finger grip allow maximum jaw opening with minimum pressure for ideal placement, enabling a good contact
- Safety CAT III 1,000V, 10A rating. cULus 61010 and IEC61010 listed

High Grade Test Leads (For Digital Multimeters)

Stock No.	Description (Chart)	Set Contains:			
		MTTL500	MTTL600	MTTL700	MTTL800
MTA20	Prods - Modular	•			
MTA24	Test Leads Silicone Jacket - Modular	•			
MTA70	Set, Alligator Clips, Screw-on				
MTA75	Alligator Clips - Medium - Modular	•			
MTA80	Spring Hooks - Modular	•			
MTA85	Alligator Clips - Heavy Duty - Flanged	•			
MTTL505	Set, Grabber Leads				
MTTL7001	Test Leads Silicone Jacket - Threaded				•
MTTL7002	Banana Plugs - Screw-on		•	•	
MTTL7003	Alligator Clips - Large - Modular		•	•	
MTTL7004	Insulation Piercing Prods - Modular		•	•	
MTTL7005	Backprobe Adaptors - Needle - Modular		•	•	
MTTL7005PK	Kit, Test Leads, Modular				•
MTTL800-1	Modular Test Leads				•
MTTL800-3	Crocodile Clips				•
MTTL800-4	Piercing Probes				•
MTTL800-5	Grabbers 90° Test Leads				•
MTTL800-6	Prods				•
MTTL800-7	Spring Hooks 90°				•
MTTL800-PB	Storage Pouch				•

°C

MTTL600 Test Lead Kit

- Includes screw-on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods

MTTL301 Test Lead Kit

- Contains 12, 18, 24, and 10" jumper leads
- Use as extension leads or for shorting out components when testing ignition

MTTL700 Test Lead Kit

- Includes screw-on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods
- Test leads with interchangeable tips are 50" long
- Double insulated silicone wire is heat and flame resistant and flexible in extreme cold conditions

MTTL300 Test Lead Kit

- Four color-coded test leads help reduce the chance of wrong connections
- Use as test lead, jumper wires or for shorting out components when performing ignition system tests
- Each lead is 4" long

MTA70 Alligator Clip Set

- Screw-on style alligator clips for use with EEDM504B3 test lead set
- Do not use with MTA24 right angle test leads

Retractable Test Leads

YA1175KIT Retractable Test Lead Kit (Blue-Point®)

- Includes YA1175
- Retractable test leads, YA1175-1 probes (pair), YA1175-2 alligator clips (pair) and YA1175-3 spring hooks (pair)
- Retractable test leads pull out and stay at desired length
- Rewind test leads when not in use for compact storage
- 18 gauge copper wire and interchangeable tips


YA1175KIT

Back Probes

MTTL7005PK Backprobes

- Color-coded for easy identification
- Bendable stainless-steel tips (standard diameter)
- Non-intrusive probes slide behind terminals
- Modular ends attach quickly
- Five Boot Colors - for quick circuit identification
- Slip Resistant Grip Collar - enables "good

- gripping" Modular Terminal Ends - slide quickly into modular test leads for fast and reliable connections
- Each probe is 4-1/2" (11.5 cm) long with a tip diameter of 1/32" (1 mm)
- Removable Boots - enable custom color selections or restoring color to dirty used boots with the MTTLBOOTS Multi-Pack
- Technical Support 1-888-382-6522


MTTL7005PK

MTTL7006 Micro Tip Backprobes

- Features a 0.5 mm tip diameter that has enough muscle to probe new smaller interior vehicle compartment connector terminals
- Smaller diameter enables a wider array of terminal applications
- Modular test lead ends for quick attachment
- Replaceable threaded tips make change out easy

- MTTL7005 series is best used under the hood of vehicles as they provide more body for the pressure needed to penetrate the weather pack material surrounding the terminal connections
- Use with Test Leads and Multimeter
- 4" overall length
- 4 mm standard female banana jack
- Red and black color per set
- Rated to DC 60V


MTTL7006

MTTL502 Insulation Piercing Test Probes

- Use probes on threaded probe tips
- Banana adaptors included so probes can be used on banana plug lead sets


MTTL502

MTTL720 20 pc Backprobe Pin Kit (Blue-Point®)

- Just slip the probing pin into the backside of the electrical connector and attach the meter lead to the alligator clip at opposite end of the pin
- Five colors (black, red, yellow, green, blue) make circuit identification easy
- Each color-coded group of pins contains four pins for multiple simultaneous test points
- Sharp pin point easily pierces the wire insulation
- Insulated boots protects the circuit being tested from shorting between circuits and/or a short circuit to ground
- The probing pin can be bent to access an electrical connector at unusual angle for awkward connections
- Compact size makes the pins easy to fit in tight spots


MTTL720

MTTLB720 20 pc Multi-Backprobe Pin Kit (Blue-Point®)

- Includes five of each: 45° sharp, 45° blunt, 90° sharp and straight sharp


MTTLB720

MTTLBOOTS Replacement Boot Kit

- Five of each (black, red, yellow, green, blue)


MTTLBOOTS


- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

TEST LEADS



MTTL7007

MTTL7007 Insulated Backprobe Set

- Designed to slide between weather protective terminal seals on vehicles for easy probing
- Slide-on terminals for easy-on positioning on threaded or straight metal prods
- Insulated backprobe shaft helps avoid accidental cross wiring
- Rigid metal prod enables more insertion pressure
- Easy insertion for weather pack fittings
- 4" overall length with shaft length of 2" for good reach

- 300 volts DC, 3 amps DC ratings for many applications
- CAT II 300 V DC rating for safety
- Internal collar diameter 11 mm
- Internal female diameter 2 mm
- Fits on the prods from the following test leads: EEDM504B3 lead set, MTTL504 fused test leads, EETA107B test leads, EETA108B test leads, MTTL800-1 test leads, MTTL7001 test lead set, TL2A test leads with clips, TL3A test leads with jack adaptor TL616AO jump lead, TL624AG jump lead, TL648AR jump lead



MTTL7008

6 and 12 Volt Circuit Testers

MTTL7008 Medium Spade Terminal Prod Kit

- Non-intrusive testing of spade style terminal blocks and connectors
- Modular banana jack for quick push-on connection to the test leads
- Heavy duty body with finger grips provide proper pressure points for inserting the spade tip
- Fully insulated to reduce the likelihood of shorts
- CATII 300 DC Volts for safety; 3 DC Amps
- Designed to work with DMM test leads or banana jack circuit testers
- Tip holds firm in the terminal slot to allow free hand to jiggle wire or operate a switch



TL616AO

High Visibility Jump Leads

TL Series High Visibility Jump Leads.

- High grade test leads offer the highest heat and oil resistance and exceptional coil memory
- Leads feature a removable "bed of nails" concept
- After removal, probe end with 8-32 brass thread allows use of other product accessories



TL624AG

TL616AO Test Leads (Blue-Point®)

- Hi-vis orange color, 16' extended length

TL624AG Test Leads (Blue-Point®)

- Hi-vis green color, 24' extended length

TL648AR Test Leads (Blue-Point®)

- Hi-vis red color, 48' extended length

TL648AR

Intrusive Circuit Testing Adaptors

TLB6B Adaptor

- Straight nose test clip with black boot

TLBBL6B Adaptor

- 15° bent nose test clip with blue boot

TLBR6B Adaptor

- 15° bent nose test clip with red boot



TLBR6B

TLBB6B Adaptor

- 15° bent nose test clip with black boot

TLBL6B Adaptor

- Straight nose test clip with blue boot

TLR6B Adaptor

- Straight nose test clip with red boot



TLR6B

Coiled Jump Leads (MTTL310 Series)

MTTL310 Coiled Jump Lead Set

- Four distinct colors facilitate easy identification of test circuits
- Crocodile clips on both ends securely grip terminal connections
- Coiled cord stretches to 48" (122 cm) for extra reach
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty but flexible boots provide safety insulation and strain relief
- Soldered and clamped connections provide low signal loss and prolongs life



MTTL310

Stock No.	Coiled Length, inches (cm)	Stretched Length, inches (cm)	Crocodile Clip Opening, inches (cm)	Color
MTTL310-1	20 (51)	48 (122)	1/2 (1.27)	Black
MTTL310-2	20 (51)	48 (122)	1/2 (1.27)	Red
MTTL310-3	20 (51)	48 (122)	1/2 (1.27)	Green
MTTL310-4	20 (51)	48 (122)	1/2 (1.27)	Yellow

Coiled Jump Leads (MTTL311 Series)


MTTL311

MTTL311 Coiled Jump Lead Set

- Four sizes facilitate various applications that make the job easier to complete
- Alligator clips on both ends securely grip terminal connections
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty yet flexible rubber boots provide safety insulation strain relief
- Soldered and clamped wire connections to alligator clips provides low signal loss

Stock No.	Coiled Length, inches (cm)	Stretched Length, inches (cm)
MTTL311-1	10 (25)	12 (30.5)
MTTL311-2	11 (28)	18 (46)
MTTL311-3	13 (33)	24 (61)
MTTL311-4	24 (61)	120 (305)

Battery Adaptors

TLS4A Battery Adaptor (Blue-Point®)

- 12 V accessory adaptor supplies power to circuit testers and scanners as well as to most other 12 V powered devices like car phones and lights
- Copper coated alligator clips with vinyl grips attach to battery terminals
- 3' cord length


TLS4A

CIRCUIT TESTERS


EECT2H

EECT3HL

EECT4H

6 and 12 Volt Circuit Testers

EECT2H LED Mini Circuit Tester

- Featuring our smallest handle and reduced length shank for limited-space jobs
- Patented Instinct® Handle for style and comfort
- Smart LED design has more brilliant light output and longer life than traditional bulb
- Molded internal contact links with the LED assembly top dimple for low-loss signal transfer
- Finger turn screw-on strain relief is easy on/off, has flexible wire protection at the critical bending point and is O-ring sealed

EECT3HL Classic Bulb Style Circuit Tester

- 6' straight rubber cord; 3-5/8" stainless shank
- Terminal Screw Connection: makes cord replacement easy and ensures a positive electrical signal connection
- Superior Flex Wire: glides past components and remains flexible in cold conditions
- Premium Rubber Boot Material: stays flexible over its life & is replaceable if worn
- Copper Clip: maximum electrical signal transfer

EECT4H LED Circuit Tester

- Used to detect power and ground, also to find shorts and breaks
- Patented Instinct® handle for style and comfort
- Molded internal contact links with the LED assembly top dimple for low loss signal transfer
- Smart LED design has more brilliant light output and longer life than traditional bulb
- Finger turn screw on strain relief is easy on/off, has flexible wire protection at the critical bending point and is O-ring sealed
- Low power consumption and smart circuit design
- Copper clip is a superior quality component for maximum electrical signal transfer
- Superior flex wire glides past components and remains flexible, even in cold conditions
- Rubber boot material stays flexible

Specifications	EECT2H	EECT3HL	EECT4H
Voltage	6 and 12 V	6 and 12 V	6 and 12 V
Cord Type/Color	Straight Cord Mini/Black	Straight Cord Mini/Black	Straight Cord/Black
Cord Material/Wire Gauge	Rubber/18	Rubber/18	Rubber/18
Outside Wire Diameter	4.0 mm	4.0 mm	4.0 mm
Cord Length, inches (extended)	70	70	70
Replacement Cord Assembly	EECTCORDBLM	EECTCORDBLM	EECTCORDBLS
Replacement LED and Spring Assembly	EECT2HLED/White	2-5130 Classic Bulb	EECT4HLED/White
Handle Size/Color	Mini Instinct®/Clear	Mini Instinct®/Clear	Medium Instinct®/Clear
Terminal End	Heavy duty – copper clip	Heavy duty – copper clip	Heavy duty – copper clip
Replacement Clip	EECTCLIP2	EECTCLIP	EECTCLIP
Boot	EECTBOOT2	EECTBOOT	EECTBOOT
Stainless Steel Shank Length, inches	2	3-5/8	3-5/8



- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4



EECT900



EECT900_Amp

EECT900_AC

EECT900_DC

EECT900_Ohm

Digital Display Circuit Testers

EECT900 Multi-Probe Ultra

Capability

- Test AC and DC voltage, resistance(ohms) and amperage in vehicle applications
- Patented circuit breaker protected power-up of components to determine function
- Built-in vehicle battery status check provides information to the technician before proceeding with circuit diagnosis – may need to charge the battery

Accessibility

- Ergonomic hand-hold position and large rear-facing color LCD display lets the user get in tight spaces and still read the live results on the screen
- Convenient 23' cable allows the user to connect to the vehicle battery and move around the vehicle, including trucks, to check distant circuits like brake lights or trailer terminal connections
- Tool provides audible smart-tones to indicate tip readings, warning sounds and more

Simplicity

- Navigation simplified via color-coded menu – five menu selections are identified with a unique color so the user recalls the mode in use: Purple AC Voltage, Orange DC Voltage, Yellow Amperage, White Ohms
- Single function buttons are used for up and down scrolling, clear, menu/mode toggle, mute, light on/off and + and - powering of a circuit
- Inclusive AC meter displays all measurements simultaneously – Peak to Peak, Pulse Width, Duty Cycle, Frequency and TRMS

Serviceability

- 23' cable is field replaceable and is calibrated – saves the time of sending a complete unit in for repair if just the cable fails
- 18 month warranty
- Water-resistant IP65 rating
- Technical Support 888-549-0566

EECT900-2 Battery Clamps

- Optional carrying case

EECT900-1 23' Cable

- 23' Cable for EECT900

EECT900-2 Battery Clamps

- Battery Clamps for EECT900

EECT900-5 3.5 mm Tungsten Probe Tip

- Optional 3.5 mm Tungsten Probe Tip for EECT900

EECT900-6 3.5 mm Brass Probe Tip

- 3.5 mm Brass Probe Tip for EECT900

EECT900-9 Ground Clip with Boot

- Ground Clip with Boot for EECT900

Specifications	EECT900
AC Measurement	200 VAC TRMS 200V P-P
Amp Measurement	.5–50 Amps
CE Approved	Yes
Circuit Breaker Settings	2–30 Amps – Adjustable
DC % Measurement	1–99%
DC Measurement	.5–200 V
Display	2.4" Diag. Color LCD
Hz Measurement	15–9,999 Hz
Max Continuous Load	12 Amps
Max Intermittent Load	29 Amps for 30 Seconds
Max Operating Temp	50 °C (123 °F)
Max Operating Voltage	34 VDC
Max Storage Temp	70 °C (158 °F)
Max Tip Voltage	200 V
Max Transient Voltage	550 V for 1 second
Meter Modes	VDC, Ohms, Amps, VAC (Freq, TRMS, DC%, P-P, PW)
Min Operating Temp	-10 °C (14°F)
Min Operating Voltage	9 VDC
Min Storage Temp	-20 °C (-4 °F)
Normal Battery Voltage	12–24 VDC
Ohm Measurement	0.1–50K Ohm
Patent Number	7,154,899 (other patents pending)
Power Cable	23 Foot, 14 GA Replaceable
Power Switch Modes	Momentary, Latch, Pulse
PW Measurement	0.05–1,000 mS
Special Tests	Batt Stat, Hot Shot

Product designed to be powered by 12–24 VDC power sources such as found in Automotive, Truck, Small Craft Marine, and Small Craft Aviation electrical systems

- Unit is not intended to be connected to 110 AC or above wall outlets
- Do not supply battery voltage to any computerized circuits, sensors, air bag or supplemental restraint systems

NOTE: Due to the OHM meter capability, an extension cable cannot be used, it will negatively impact the accuracy of the readings

NOTE: Extension cable cannot be used, it will negatively impact accuracy of readings

*Not for use on Air Bags



EECT900-6



EECT900-9



EECT900-5



EECT900-2



EECT900-6



Digital Display Circuit Testers

EECT400 Digital Display Circuit Tester

- Used to detect DC voltage, power, ground and circuit integrity
- LCD display provides a “no guess” voltage value of the circuit
- Backlit LED indicates green for ground or red for power
- One hand free to jiggle wires, replace fuse or operate a switch
- Provides one-handed operation of a circuit tester and the digital display of a multimeter
- Surge protected circuitry displays 3–19.99 V DC (± 0.3 V accuracy)
- Computer safe 10 mA circuit draw for confident testing (do not use on airbags)
- Patented Instinct® Clear Handle for pure visibility, style and comfort
- Solid Copper Clip – superior quality component for maximum electrical signal transfer
- Superior Flex Wire – glides past components and remains flexible in cold conditions
- Convenient Field Replaceable – digital display board and spring assembly
- O-ring sealed moisture-free connection for longer life
- Technical Support: (888) 382-6522

Specifications	EECT400	EECT400BL	EECT401	EECT413
Voltage	6 and 12 V DC	6 and 12 V DC	6 and 12 V DC	6 and 12 V DC
Range	3–19.9 V DC	3–19.9 V DC	0.0–19.9 V DC	3–19.9 V DC
Resolution	0.1 V DC	0.1 V DC	0.1 V DC	0.1 V DC
Accuracy	± 0.3 V	± 0.3 V	± 0.3 V	± 0.3 V
Cord Length, ft (m) – gauge	6 (2) – 18	6 (2) – 18	13 (3.6) – 18	11.8 (3.5)
Replacement Cord Assembly	EECTCORD400 (black), EECTCORD400O (orange), EECTCORD400G (green), EECTCORD400R (red)	EECTCORD400	EECTCORD401	EECTCORD413
Replacement LED and Spring Assembly	EECT400LCD	EECT400LCD	EECT401LCD	EECT400LCD
Polarity	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional
Surge Protected	Overload displays 1.0 V, then resets	Overload displays 1.0 V, then resets	Yes	Overload displays 1.0 V, then resets
Operating Temperature	0–120 °F (-18–50 °C)	0–120 °F (-18–50 °C)	0–120 °F (-18–50 °C)	0–120 °F (-18–50 °C)
Terminal End	Heavy duty – copper clip	Heavy duty – copper clip	12 V DC plug	Safety Banana Shutter Plug
Replacement Clip	EECTCLIP	EECTCLIP	–	–
Boot	EECTBOOT	EECTBOOT	–	–
Length, inches (cm)	8-1/4 (20.96)	8-1/4 (20.96)	8-1/4 (20.96)	–
Warranty	1 Year-Field Repairable	1 Year-Field Repairable	1 Year – Field Repairable	1 Year – Field Repairable
Computer Safe	Yes – 10 mA or less draw (Do not use on airbags)	Yes – 10 mA or less draw (Do not use on airbags)	Yes <10 mA	Yes
Replacement Carrying Case Part Number	–	–	–	EEC550-CC

Extension Cord Part Number, EECT413-2
 Replacement Foam Insert Part Number, EECT413FOAM
 † CE

TECHNICAL SUPPORT 1-888-382-6522



EECT400G Digital Display Circuit Tester Green



EECT400O Digital Display Circuit Tester Orange



EECT400R Digital Display Circuit Tester Red

EECTCLIPHD-B Optional Field Replaceable Heavy Duty Clamp
EECTCLIPHD-R Optional Field Replaceable Heavy Duty Clamp



• Do not use in environment with explosive vapor
 • Read safety precautions on pages W1 to W4

CIRCUIT TESTERS



EECT424HD

Digital Display Circuit Testers

EECT424HD 24 V Digital Display Circuit Tester (4-49 V DC Range)

- Used to detect voltage, power, ground and circuit integrity on cars and trucks
- LCD display provides a 'no guess' voltage value of the circuit
- Backlit daylight readable LED indicates Green for Ground or Red for Power
- One hand free to jiggle wires, replace fuse or operate a switch
- Computer safe* <10mA circuit draw for confident testing
- 3-1/2" stainless-steel corrosion free shank
- Patented Instinct® Clear Handle for pure visibility, style and comfort
- Solid copper clip – superior quality component for maximum electrical signal transfer
- Superior Flex Wire – glides past components and remains flexible in cold conditions
- Convenient Field Replaceable – digital display board and spring assembly

Applications

- Covers most auto, truck, industrial vehicles, buses, 36 V rail cars and more from 4-49 V DC

Specifications	EECT424HD
Voltage	24
Range	4.0-49.9 V DC
Resolution	0.1 V DC
Accuracy	± 0.3 Volt
Cord Color	Red
Cord Type	Straight/Polyurethane
Outside Wire Diameter, inches (mm)	.16 (4)
Cord Length, ft (m) – gauge	6 (2) – 18
Replacement Cord Assembly	EECTCORD424V
Replacement LED and Spring Assembly	EECT424LCD
Handle Size/Color	Instinct®/Clear w/ red print
Display	LCD w/ back light
Polarity	Bi-directional with color LED, red and green indicators
Surge Protected	Surge and high DC voltage
Operating Temperature	0-120 °F (-18-50 °C)
Terminal End	Heavy duty – copper clip
Replacement Clip	EECTCLIPHD-R
Stainless Steel Shank Length, inches (cm)	3-1/2 (8.9)
Length, inches (cm)	8-1/4 (20.9)
Warranty	1 Year (field repairable)
Computer Safe	Yes <10 mA (not for use on airbags)



EECT200



EECT201BL

Cord Free Circuit Testers

- For quick detection of DC voltage
- Use on autos and trucks from 3-24 V DC
- Probe the wire, touch metal ground on vehicle with free hand
- Black carbon infused contact area completes the circuit
- Mini Instinct® handle and short stainless shank for tight access jobs
- Pocket clip to keep the first need diagnostic tool ready for work
- Safety Tip-Protector
- Do not use on airbags or AC Voltage

EECT200 Cord Free DC Circuit Tester

- Audible beep and bright white LED light alerts user to DC voltage presence
- Clear Body

EECT201BL Cord Free DC Circuit Tester

- Vibration, audible beep and bright white LED light alerts user to DC voltage presence
- Black body



EECT74



EECT72

Specialty Circuit Tester

EECT74 Amp Hound (Blue-Point®)

- Use on 6, 12 and 24 V Electrical Systems
- No need to remove a fuse which reduces the amount of time to determine the current in the circuit
- Finding parasitic drains can now be done without resetting the offending circuit
- No more pull a fuse, check the meter, pull a fuse, check the meter-instead, check the complete fuse box quickly
- Will not short a circuit while the fuse is removed
- Touch the probes to the top of the fuse
- Tests all of the most common automotive fuses types and amp ranges
- Intelligent audible tones and digital displays
- Active circuit unit beeps three times and displays amp value
- Inactive circuit beeps continuously and displays (000)
- Open or blown fuse will not beep and displays (- - -)

EECT72 Amp Hound 2 (Blue-Point®)

- Same as EECT74 with additional features
- Real time readings

- Plug in fuse adaptors
- Functions with micro fuses

EEDMCT-KIT Multimeter Y Terminal Adaptor Master Kit

- Bring the all-in-one kit to the job for 12 and 24 V automotive electrical testing
- Includes the EEDM504D, EECT413 and the MTTL900-KIT in one complete diagnostic package
- Circuit tester is used with various non-intrusive probes and adaptors for quick testing
- Our most popular DMM allows the addition of resistance, AC and DC voltage testing and more
- Unique "Y" adaptor enables testing of single terminal or in-line testing of a circuit or terminal harness
- Carry case fits in 4" tall and 18" deep tool storage drawers with no wasted space


EEDMCT-KIT

MTTL900-KIT
MTTL900-KIT Multimeter Y Terminal Adaptor Kit

- 12 and 24 V DC automotive terminal kit for use with EEDM series digital Multimeters or EECT Circuit Testers
- Unique "Y" adaptor enables testing of single terminal or in-line testing of a circuit or terminal harness
- None-intrusive circuit testing with a banana jack adaptor for DMM test lead or circuit tester connection
- High quality silicon wire is flexible in cold conditions and protected against high heat conditions
- Color coding of the adaptors make them easy to find and select for quick connections – terminal sizes XL, L, M, S, Micro1 and Micro 2
- Carry case fits in 4" tool storage drawers with no wasted space

Data Bus Fault Finder
EEFF500 Data Bus Fault Finder (Blue-Point®)

- Modern vehicles have 15-20 computers talking to each other on shared circuits that can fail
- The "go to" tool to diagnose scan tool communication failures
- User-controlled elimination of modules to isolate defects and find failure location
- Eliminate rogue/defective modules that lock up data bus via 12 switchable data circuits
- LED indicators that light amber for short to ground and red for short to power, plus a self test upon powering on
- Communicates via Data Bus Network Connector


EEFF500
Storage Racks
EEDMRACKBJR DMM Banana Jack Storage Rack

- Convenient rack with banana jacks to hold test leads, back probes, adaptors and more

EEDMRACKM Multi-Purpose Magnetic Tool Storage Hanger

- Stores circuit testers, DMM test leads, amp clamps and test probes neatly for quick access
- Stores inside door of tool storage lockers for security at night
- Both racks can be mounted to wall with screws or placed on roll cab with magnetic back


EEDMRACKBJR

EEDMRACKM
Dynamic Test Leads
EECT180 LOADpro® Dynamic Test Leads (Blue-Point®)

- Works with any DMM with standard banana plugs
- For use on circuits up to 28.5 V
- Do not use on computer ECM input circuits
- LOADpro® performs a voltage drop test with press of a button
- Pressing the switch applies a load of 40mA per volt across the circuit (example: 40 mA x 12 V = .48 A of load)
- Automotive, Heavy duty, Marine, RV and equipment


EECT180
OBD II Breakout Boxes
YA11167 OBD-II Breakout Box (Blue-Point®)

- Provides easy access to all 16 OBD-II terminals and connection to scan tool
- Eliminates guessing which terminals are being probed
- Tester probes plug in securely so you are free to diagnose
- No more crawling under the dash
- Great for diagnosing inoperative communication links


YA11167


• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4



EECT60660

Relay Test Kit

EECT60660 Deluxe Relay Test Kit (Blue-Point®)

- Eight color-coded relay test jumpers makes selection easy
- Each relay test jumper has metal pins on its side making test lead connection fast
- Connecting a jumper wire (included) between two specified jumper tabs tests the relay
- Kit also comes with test leads to connect the test jumper to meter leads
- Also contained in the kit are relay-puller pliers to make removing the relays from the relay bank a snap
- Kit makes testing relays or live circuits quick and easy
- Includes eight jumpers to fit most popular relays
- Includes test lead kit for easily and securely connecting relay test jumpers to a multimeter
- Relay puller pliers easily remove electrical relays without damage to the relay or electrical box



YA111KITA

Short Circuit Locators

YA111KITA Relay Shorting Plug Kit (Blue-Point®)

- Plugs close normally open contacts and instantly determine which half of an output circuit is suspect
- Eliminates guessing which terminals to short
- Significantly reduces diagnostic time
- Kit works on all vehicles using standard four- and five-pin relays
- Avoids damage to relay socket as a result of probing

YA111-10A Relay Shorting Plug (Blue-Point®)

- 10 A

YA111-15A Relay Shorting Plug (Blue-Point®)

- 15 A

YA111-20A Relay Shorting Plug (Blue-Point®)

- 20 A



EEFB310

Continuity Testers

EEFB310 Fuse Buddy® Pro Test Kit (Blue-Point®)

- Great tool for reading circuit amperage draws and troubleshooting up to 30 A
- Includes: one meter with three interchangeable test functions: 30 A MINI circuit current testing, 30 A ATC circuit current testing and 30A all purpose current test
- Plugs directly into MINI and ATC fuse sockets
- Original fuse is replaced in line, thereby maintaining circuit protection
- Measuring range: 0-30 A/48 V DC 10 seconds
- Accuracy: ±2% of reading
- Resolution: 100 mA



EEFB315

EEFB315 Max Fuse Buddy® Kit (Blue-Point®)

- MAXI circuit testing capability up to 80A
- Works with ATC and MINI circuits (adaptors included)
- Unit features peak hold functions and one-touch zero function
- Use on antilock brake circuits, car stereo circuits, power distribution circuits, marine and automotive branch circuits, rear window defogger circuits, solar power DC branch circuits, traction control circuits, solar charge controller circuits and heavy duty equipment circuits
- Amps: 0-80A DC
- Resolution: 0.1A
- Accuracy: ±2.0% of reading + four digits



YA8006



YA8005



YA8005-7



YA8005-5



YA8005-11



YA8005-30

Fuse Savers

YA8006 Master Fuse Saver Kit (Blue-Point®)

- Dual type fuse box connector with 10' cord allows you to move around the vehicle shake testing wires while looking for the short
- No wasted fuses
- Includes: 5, 10, 15, 20 and 30 A resetting breaker handles, buzz alert module and six fuse adaptors
- Use when installing radios, CD players, radar detectors and other accessory equipment
- CE

YA8005 Fuse Saver Kit (Blue-Point®)

- Dual type fuse box connector with 10' cord allows you to move around the vehicle testing wires while looking for the short
- Includes: 10, 15 and 20 A resetting breaker handles
- Use when installing radios, CD players, radar detectors and other accessory equipment
- Accessories

YA8005-5 5 Amp Breaker Handle

- No wasted fuses

YA8005-7 Dual Connector with 10' Cord

- Allows you to move around the vehicle testing wires while looking for the short

YA8005-11 Buzz Alert Adaptor (Blue-Point®)

- Buzz alert sound module

YA8005-30 30 Amp Breaker Handle (Blue-Point®)

- No wasted fuses



Trailer Harness Testers and Adaptors

YA8026 Towing Maintenance Kit (Blue-Point®)

- Use for four-/five-pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: four-/five-pin tester, terminal cleaning tool and 2 mL tube of DeoxIT® electric contact cleaner
- Packaged in compact clamshell

YA8027 Towing Maintenance Kit (Blue-Point®)

- Use for six round pin vehicle side circuit testing
- Test, clean and repair truck and trailer connections plus light assemblies
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: six round pin tester, two terminal cleaning tools and 2 mL tube of DeoxIT® electric contact cleaner
- Packaged in compact clamshell

YA8028 Towing Maintenance Kit (Blue-Point®)

- Use for seven spade pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: seven spade pin tester, two terminal cleaning tools and 2 mL tube of DeoxIT® electric contact cleaner
- Packaged in compact clamshell

YA8029 Towing Maintenance Kit (Blue-Point®)

- Use for seven round pin vehicle side circuit testing and cleaning plus seven round pin connector cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Use as a pin wear gauge on trucks and trailers
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: YA3179B seven round pin tester, IPA8024-AS1 and IPA8024-AS2 two round pin terminal cleaners plus 2 mL tube of DeoxIT® electric contact cleaner

TLT8003 Trailer Plug Adaptor (Blue-Point®)

- Converts 12 V feed at the back of a truck or SUV trailer socket to a dual 12 V power outlet
- Powers 12 V test equipment, charging equipment and work lights in shop environment
- Recreation purposes such as running air pumps, radios or TVs while tailgating and camping
- Plugs into any seven-way spade pin trailer connection

TLT8000 3-Way Trailer Adaptor (Blue-Point®)

- Adapts seven-way connection to six round pin and four-/five-pin connections
- Sealed plugs to keep road debris from corroding connections
- Winged grip for easy installation and removal
- Use on medium/light duty trucks, 1/2, 3/4 and 1 ton pickups, campers and other heavy duty applications

TLT5 Trailer Harness Tester

- Easily locates electrical problems in the tow vehicle
- Checks both four- and five-pin flat trailer connectors with LED indicator lights
- Tests left and right signals, brake lights and running lights

TLT6 Trailer Harness Tester

- Checks six-pin round trailer connectors with LED indicator lights
- Same applications as TLT5

TLT7 Trailer Harness Tester

- Easily locates electrical problems in the tow vehicle
- Checks seven spade/flat pin trailer connectors with LED indicator lights
- Tests left and right signals, brake lights and running lights

YA3179B Circuit Chaser

- Round pin circuit chaser for semi trailers
- Test the semi trailer plug and cable
- Both male and female ends so technician can isolate a fault to trailer or cable
- Can temporarily repair short circuits in the shop or on the road
- Includes five jumper tabs and one replacement prong


MTAC110

AC Voltage Sensors

MTAC110 AC Voltage Sensor

- Non-intrusive AC sensor detects voltage from 110–600 V AC
- Use to ensure the absence of current before working on a circuit

- Move probe tip along an insulated wire, near an outlet or near a circuit breaker and tip will glow if voltage is present
- Uses (2) AAA 1.5 V batteries (included)
- Overall length is 5-3/4" (146 mm)
- Meets OSHA standards
- UL® Listed


AC41C

Electrical Brushes

AC41C Taillight Socket Brush (Blue-Point®)

- Stiff carbon steel wire bristles
- 6-5/8" long



- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4



EELD500



EELD500CVR

Portable Diagnostic Smoke Machines

Specifications	EELD500
Power Supply	12 V DC
Power Consumption	12/18 V DC, 25 Amp
Supply Volume	10 L/MIN
Line Length/Smoke Supply, ft (m)	8 (2.44)
Line Length/Power Supply, ft (m)	8 (2.44)
Line Length/Remote Starter, ft. (m)	50 Range
Weight, lb (kg)	11.5 (5.25)
Overall Dimensions, inches (mm)	12 W x 9 D x 12 H (310 W x 230 D x 310 H)

EELD500 Portable Smart Smoke® Machine

- Necessity – eight of the top ten emission DTC codes can be diagnosed with Smart Smoke® technology
- Computerized – digital readout displays leak sizes down to 0.001 LPM and pressure/vacuum in H₂O
- Smart – self calibrates for .010, .020, .040 and automatically performs EVAP pass/fail test
- One touch EVAP testing with automatic pass or fail
- Low flow mode makes it easier to find leaks
- Vacuum port adaptor to diagnose Chrysler® ESIM and NVLD systems
- Find leaks, the evaporative emissions diagnostic smoke machine delivers EVAP testing and general purpose applications
- Conveniently functions with OEM specified nitrogen, portable CO₂ bottle or shop air
- Patented UltraTraceUV® dye solution pinpoints leaks
- OEM approved smoke technology
- Smoke solution is safe and does not produce unpleasant odor in the shop
- Unit ships with enough smoke solution to perform 250 tests
- Three-button control display select, Orifice select and Start
- Includes combination LED/UV light and remote control
- Convenient hanger for under car and under hood use
- Lightweight and compact – stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt and dust

EELD500 and EELD100A APPLICATIONS:

- Air cleaner assembly • Air ducts • Air valves • Cylinder heads • Diaphragms • EGR valve • EVAP • Exhaust manifolds • Exhaust pipes and mufflers • Fuel Tank Pressure Sensor • Intercooler • Intake gaskets • Injector o-rings • Loose clamps • MAP sensors • Mass air flow meter • Oil leaks • PCV valve and hoses • Throttle body shaft • Turbos • Vacuum hoses • Vacuum switches • Wind and water

EELD500-1 UltraTraceUV® Smoke Solution

Included Accessories:

- EELD500-2 Large Adaptor Cone
- EELD500-3 Vacuum Adaptor
- EELD500-4 Combination LED/UV Light and Glasses
- EELD500-5 Removeable Battery Clamp Lead Set
- EELD500-6 Smoke Hose
- EELD500REM Remote Control
- EELD301A2 17 pc Cap Plug Kit
- EELD301A3 Exhaust Cone Adaptor
- EELD301A4 Wind/Water Leak Adaptor
- EELD302A2 EVAP Service Port Adaptor Standard Size
- EELD302A4 Schrader Valve Core Tool

Optional Accessories:

- EELD500C02 CO₂ Bottle and Regulator
- EELD500CVR Protective Cover
- YA4000B Automotive Test Kit (Blue-Point®)
- EELDGASCAP Fuel Tank Filler Neck Adaptor (Blue-Point®)
- EELDGASBMW Gas Cap Adaptor BMW® (Blue-Point®)



EELD500-4



EELDGASCAP



EELD500C02

Diagnostic Smoke Machine

EELD100A Diagnostic Smoke Machine (EVAP)

- Find Leaks
- Contains Diagnostic Smoke® technology for EVAP testing and general purpose applications
- Patented UltraTraceUV® non-contaminating dye solution pinpoints leaks that smoke cannot locate alone
- Combo LED and UV light in one, plus special glasses are included
- Necessity—eight of the top ten Emission DTC codes can be diagnosed with this unit
- Smoke solution does not produce an unpleasant odor in the shop
- Variable Flow Control manually reduce flow to help pinpoint the exact location of a leak
- Conveniently functions with OEM specified optional nitrogen, portable CO₂ bottle (ships empty) or shop air
- Convenient hanger for under car and under hood use
- Lightweight and compact stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt
- CE – DE, ES, FR, IT, GB, NL
- PATENTS: Nitrogen Patent 6,526,808, Nitrogen with Dye Patent 6,439,031, Dye Patent 6,392,227

OPTIONAL ACCESSORIES:

- EELD500C02 C02 Bottle and Regulator, EELD500C02 ships empty and needs to be filled at a hardware store
- EELD500CVR Protective Cover
- EELD500-1 Additional 8 oz Bottle of Solution
- EELDGASCAP Gas Cap Adaptor 3 pc
- EELDGASBMW One Gas Cap Adaptor BMW®



Specifications	EELD100A†
Power Supply	12 V DC
Power Consumption	12 V DC, 25 Amp
Supply Volume	10 L/MIN
Line Length/Smoke Supply, ft (m)	8 (2.44)
Line Length/Power Supply, ft (m)	8 (2.44)
Line Length/Remote Starter, ft (m)	10 (3)
Weight, lb (kg)	11.5 (5.25)
Overall Dimensions, inches (mm)	12 W x 13 D x 12 H (305 W x 229 D x 305 H)

† C E

- EELD100-4 Combo Light (Blue-Point®)
- EELD301A2 17 pc Cap Plug Kit
- EELD301A3 Exhaust Cone Adaptor
- EELD301A4 Wind/Water Leak Adaptor
- EELD302A1 Nitrogen Hose
- EELD302A2 EVAP Service Port Adaptor Standard Size
- EELD302A3 EVAP Service Port Adaptor Fitting
- EELD302A4 Schrader Valve Core Tool
- EELD500-1 UltraTraceUV® Smoke Solution

Evaporative Emissions Diagnostic Smoke Vapor Producing Machines – Feature Comparison

	EELD100	EELD500
Uses <i>Diagnostic Smoke</i> vapor technology developed in collaboration with Ford Motor Co., GM®, Daimler Chrysler® and approved by most major OEMs.	•	•
Patented non-contaminating <i>UltraTraceUV</i> dye solution pinpoints the leak. The only dye solution mandated by most major OEM's. Will not harm activated charcoal canister, ORVR valve, purge valves, catalytic converters, O ₂ sensors, seals or gaskets and determined not to void vehicle factory warranty.	•	•
The only Patented technology that meets specifications when OEMs require nitrogen for safer EVAP system testing.	•	•
Designed with an electronic Safety Valve that automatically shuts off air flow into the vehicle's EVAP system when the machine turns off. This stops gasoline fumes from exiting the EVAP system and filling your work bay.	•	•
TECH LINE Supported 1-800-901-1988 for end user to help with any and all EVAP problems.	•	•
Vacuum/Pressure Gauge for vacuum/pressure decay.	•	•
Convenient Hook with fold down handle for hanging under car or under hood and easy storage in tool box.	•	•
Ability to read and display leak size of .010".	•	•
10-Year Warranty On Glow Plug a reliable heating system that lasts much longer than fiberglass wick-style units.	•	•
Variable Flow Control manually reduces flow to help pinpoint the exact location of a leak.	•	•
Low Flow Pulsating Mode automatically adjusts flow to optimal setting to help find small leaks.	•	•
One-Touch EVAP Testing with automatic pass or fail.	•	•
Vacuum Port Adapter can apply hand vacuum pump for testing Fuel tank Pressure Sensors, Chrysler ESIM & NVLD systems. Also gives you dual smoke hose capability.	•	•
100% Portable to work off site, or anywhere outside of work bay area with optional Snap-on® power tool battery and CO ₂ kit.	•	•
Computerized Digital Display down to .001" means you're prepared for any industry leak standard changes.	•	•
Computerized Digital Display Reading Flow in Liters per Minute to make sure factory specs are met.	•	•
Computerized Digital Display Reading Pressure/Vacuum in H ₂ O to compare to FTP Sensor for in-depth diagnostic ability.	•	•
Sleep Mode with Memory retains test results if machine shuts down after five minutes.	•	•
Cordless remote so there is no need to walk back and forth when doing a job.	•	•
Micro-processor touch pad for quick and easy operation.	•	•
Ability to Choose Inert Gas at start-up for 100% accurate results.	•	•



- Do not use in environment with explosive vapor
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

LEAK DETECTORS



EELD600HD-1



EELD600HD-3



EELD600HD-2



EELD600HD

Portable Diagnostic Smoke Machines

EELD600HD High-Pressure, Heavy-Duty Smoke Machine and Leak Finder (Blue-Point®)

- Use in 12 and 24 V trucks up to class 8
- Output pressure 3–43.5 PSI, (69 mbar to 3 bar)
- Digital pressure selection is quick and display is easy to view with no difficult analog regulator to adjust
- Convenient Bluetooth® wireless remote allows the tech to operate from around the vehicle
- Patented UltraTraceUV® non-contaminating dye solution pinpoints leaks smoke alone can't, with dye marking the spot after the smoke is gone
- Self calibrates at every start up to ensure accuracy
- Micro-processor controlled single button touch for all functions
- Smart Technology Software reduces thinning of smoke density at all pressures
- Auto-Drain water separator and filter removes fluid from shop compressor
- Technical Support: 800-901-1988
- Follows safety standard: Division 1, ASME Boiler and Pressure Vessel code (2013 Edition)
- DO NOT use EELD600HD in the fuel evaporative EVAP system, due to its high pressure capability

EELD600HD-1 6 pc Turbo Adaptor Set

- Set includes EELD600HD-1A–EELD600HD-1F in carry case

EELD600HD-1A Turbo Adaptor 35, 40, 45 mm

EELD600HD-1B Turbo Adaptor 50, 55, 60 mm

EELD600HD-1C Turbo Adaptor 65, 70, 75 mm

EELD600HD-1D Turbo Adaptor 80, 85, 90 mm

EELD600HD-1E Turbo Adaptor 95, 100, 105 mm

EELD600HD-1F Plug Adaptor

EELD600HD-2 Turbo Adaptor 110, 115, 120 mm

EELD600HD-3 Turbo Adaptor 125, 130, 135 mm

EELD600HD-4 12/24 Battery Cable Assembly

EELD600HD-5 110 V AC Power Source,

North America

EELD600HD-6 240 V AC Power Source, Europe



EELDGASCAP



EELD302REG

EELDGASCAP1 Fuel Tank Filler Neck Adaptor (Blue-Point®)

- Quickly pops-on virtually any filler neck
- One size fits all (new model vehicles may be subject to change)

EELDGASCAP Fuel Tank Filler Neck Adaptor (Blue-Point®)

- 3 pack of EELDGASCAP1

EELDGASBMW Gas Cap Adaptor BMW® (Blue-Point®)

EELD302REG Blue-Point® Gas Flow Regulator

- 100 PSI
- Pre-set regulator always guarantees proper operating pressure for any Smoke machine
- Easily connects to nitrogen cylinder

EELD301A1 UltraTraceUV® Smoke Solution

- Use with EELD301A, EELD302A and EELD100 smoke machines
- Single 12 oz bottle

EELD500-1 UltraTraceUV® Smoke Solution

- Use for EELD500 portable smoke machine
- 8 oz bottle

Vacuum Pressure Pump Kit

YA4000B Automotive Test Kit (Blue-Point®)

- Produces vacuum or pressure at the turn of a switch
- One-finger trigger vacuum/pressure release
- 12 oz fluid reservoir bottle with fluid transfer and storage lids plus fluid pick-up tube
- Master cylinder refill kit
- Vacuum and pressure-related engine performance diagnostics and tune-ups; brake bleeding; fluid transfer, evacuation and sampling

SVT270B Vacuum Pump Test Kit

- Diagnostic aid for checking operation of vacuum-activated actuator
- Measures vacuum up to 30 in Hg with an easy-to-read gauge
- Release valve to control the release of vacuum
- Ergonomic design is durable for everyday use
- Includes hose, cone adaptor, large cone adaptor and cup



YA4000B



SVT270B

Carbon Monoxide Analyzer

MT706A Carbon Monoxide Analyzer (Blue-Point®)

- Monitor and test adjustments affecting carbon monoxide emissions from gas powered vehicles, propane powered forklifts plus other combustion style equipment
- Flow indication warns of restricted emissions flow due to clogged or pinched lines
- Range is 0–10% CO (approx. 100,000 PPM)
- Response time is 90% of reading in less than 60 seconds
- Backlit display for ease of reading in dim light

MT706A



Hand Held Gas Analyzers

HHGA5C Handheld Gas Analyzer Kit (Five Gas)

- Measures exhaust emissions for CO, CO₂, O₂, HC, NO_x and AFR/Lambda
- Portable handheld 5-gas analyzer for use in the bay or a road test.
- For use on gasoline, LPG and CNG vehicles, making it ideal for: emissions pre-compliance testing, vehicle servicing and diagnostic work
- New six line illuminated display allows user to view all exhaust emission readings simultaneously
- Provides an instant assessment of an engine vehicle exhaust and catalytic converter
- Great for Pre-OBD vehicles as well: hot rods, muscle cars, collector vehicles and race cars for measuring and adjusting the perfect air fuel ratio
- Bluetooth® enabled – Links to VERUS®, VERUS® Pro, VERUS® EDGE and VERDICT®. Also, Bluetooth® enabled PC combines gas analysis with other vehicle data for effective diagnostics in “in real time”. (Set-up required with software included via USB stick; diagnostic tools sold separately)
- See the big picture: use the gas analyzer “app” to view gas analysis at the same time as other data including component tests, scope readings, digital graphing function, scanner results, view, graph, save and recall data
- Monitor and reduce vehicle emissions, protect the environment, improve driveability and fuel efficiency
- Unit is very sensitive and pulls only 1/14 the exhaust volume of competing analyzers. This means no problems with water ingress and pumps last longer
- Print option (printer included in the HHGA5CP); print results using optional infra-red printer
- Add the optional motorcycle probe HHGA-8 to test bikes
- Service is handled at Crystal Lake Northern Repair for Annual Calibration and O₂ sensor replacement. Meets required industry standard
- Technical support: 1-888-633-6852 (6am–12pm CST)
- Soft pouch included

HHGA5CP Handheld Gas Analyzer Kit with Printer (Five Gas)

- Same as the HHGA5C plus: The soft pouch is replaced with a hard shell carry case
- The printer is included

HHGA-11 Filters

- 5-pack off filters for HHGA Series Gas Analyzers

HHGA-18 Paper Roll

- 4-pack of replacement paper rolls for HHGA-5 Infrared Printer

HHGA-8 Motorcycle Exhaust Probe

- Optional motorcycle exhaust probe for HHGA Series Gas Analyzers

HHGA-9 Five Gas Exhaust Probe

- 5 gas exhaust probe for HHGA Series Gas Analyzers
- High temperature stainless-steel probe
- Ideal for road testing when measuring Nox



HHGA5CP



HHGA-8



HHGA-PRINTER



HHGA-9

HHGA-PRINTER Infrared Printer

- Infrared printer for HHGA series gas analyzers
- Replacement paper is HHGA-18

HHGA5B-PB Storage Case

- Hard shell storage case for HHGA5CP

HHGA5A-SP Soft Pouch

- Soft carry case included with the HHGA5C



- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

VIDEOSCOPIES



Specifications	BK3000	BK5600DUAL85	BK6500	BK8500
Power Supply	(4) AA Batteries	(6) AA Alkaline Batteries	3.7 V Li-ion, 2,600 mAh 9.6 watt hour battery	3.7 V Li-ion, 2,600 mAh 9.6 watt hour battery
Width, inches (mm)	80 mm	Viewer: 1.77 (45)	Viewer: 1.77 (45)	Viewer: 1.77 (45)
Length, inches (mm)	147 mm	Viewer: 180 mm	Viewer: 180 mm	Viewer: 180 mm
Height, inches (mm)	35 mm	Viewer: 3.94 (100)	Viewer: 3.94 (100)	Viewer: 3.94 (100)
Resolution (Reading Display)	160 x 240 RGB Backlight LED	480 x 272 RGB Backlight LED	480 x 272 RGB Backlight LED	640 x 480 RGB Backlight LED
Video Out	None	—	NTSC/PAL	NTSC/PAL, Wi-fi Apps
Run Time (hours)	4 hr (Alkaline Batteries)	4 hr (Alkaline Batteries)	4 hr (Rechargeable Battery)	4 hr (Rechargeable Battery)
Operating Temperature Range	30–122 °F	32–140 °F (0–60 °C)	32–140 °F (0–60 °C)	32–140 °F (0–60 °C)
Storage Temperature	-4–140 °F (-20–60 °C)	-4–140 °F (-20–60 °C)	-4–140 °F (-20–60 °C)	-4–140 °F (-20–60 °C)
Field of View, Forward	54° diagonal	Approx. 56° diagonal	Approx. 56° diagonal	Approx. 56° diagonal
Field of View, Side	None	Approx. 56° diagonal	Approx. 56° diagonal	Approx. 56° diagonal
Resolution	Imager: 640 x 480	Imager: 640 x 480	Imager: 640 x 480	Imager: 640 x 480
Optimal Focal Range	1/2–12" (12–30-1/2 cm)	1/2–12" (12–30-1/2 cm)	1/2–12" (12–30-1/2 cm)	1/2–12" (12–30-1/2 cm)
Imager Type	Analog	Digital	Digital	Digital

BK5600DUAL85 Scope with Dual 8.5 mm Imager

- For enhanced viewing, a 4.3" (109 mm) diagonal LCD screen
- Digital still image capture with included SD card storage
- Includes 36" digital imager with 8.5 mm diameter head
- Touchscreen interface enables easy feature selection
- Uses (6) AA Alkaline batteries
- 90° glass mirror and magnet retrieval accessories included
- Includes storage tray. Keep in your tool storage drawer for security
- Two year warranty - serviced through Snap-on® Repair Centers

BK5600DUAL55 True Digital Video Inspection Scope

- Same as BK5600 with a 5.5mm imager

BK6500 Video/Still Recording Digital Borescope

- 4.3" (109 mm) diagonal LCD screen for enhanced viewing
- Confirm mechanical problems before disassembly
- Dual-imager lenses: straight ahead and 90° angle
- Imager length: 36" (914 mm)
- Touchscreen interface enables easy feature selection
- Store the digital video image to internal memory or to an SD card
- Rechargeable lithium battery
- USB port to transfer data
- Two year warranty - serviced through Snap-on® Repair Centers
- CE, DE, ES, FR, IT, GB, NL

BK6500DUAL55 Video/Still Recording Digital Borescope

- Same as BK6500 with a 4.3" diagonal LCD screen

BK3000 Video Inspection Scope

- Small, rugged package designed for comfort and functionality with vibrant 2.5" LCD screen
- Integrated 8.5 mm high-res imager allows for ease of use and ensures the product is always ready to go
- On-board storage of up to 30 images
- Simple and user-friendly 5 key switch
- Adaptable functionality through 3-step zoom, adjustable brightness, and 180° image rotation
- Magnet and mirror accessories with integrated storage gives user additional flexibility
- Powered by AA batteries
- Imager is resistant to dust, dirt, and water ingress for 30 minutes at depths of up to 3 meters

BK8500 Advanced Wireless Video Scope

- 5" LCD – largest screen in the market helps highlight the detail that competing products miss
- Four application specific viewing modes–fine tunes optics for the most common technician applications
- iOS® and Android® compatible–use the detachable image handle with the most popular mobile platforms for increased utility and versatility
- Windows® compatible–connect the detachable image handle to your Wi-Fi enabled Windows® PC
- Full VGA/all digital system–provides clearer, higher quality images than competing products
- Capture images and video, add text or audio annotation–enhances the presentation ability
- Analog video out capability for connecting to large format displays

BK8000-55 Dual View Imager

- 5.5 mm imagers get into much tighter spaces than standard 8.5 mm
- Dual view digital cameras see straight ahead or at a 90° angle
- No need for additional mirror attachment, nothing to fall off the imager
- Close focus provides incredible detail
- Imagers are resistant to all common automotive chemicals


BK8000-55
BK8000-56 Dual View Imager

- 5.5 mm imagers get into much tighter spaces than standard 8.5 mm
- Dual View Digital Cameras see straight ahead or at a 90 degree angle
- No need for additional mirror attachment
- Close focus provides incredible detail


BK8000-56
BK8000-UV UV View Imager

- The ultimate aid in leak detection
- Imager camera has a true UV light source that works with fluorescent a/c, evaporative leak detection, heavy oil and penetrant dyes
- Dual view for straight ahead and 90° viewing angles
- 36" imager projects to borescope screen
- Provides reach beyond normal dye detection tools
- Use with either the BK5600, BK6500 or BK8000 videoscopes
- Greatly increase the ability to find the source of vacuum leaks while working with the EELD100A and EELD500 Portable Smart Smoke® Machines
- CE-DE, ES, FR, IT, GB, NL, JP
- Applications: Locating concealed automotive air conditioning system leaks, automotive evaporative and vacuum system leaks and inspecting inside hardened steel parts like hydraulic pistons on aircraft landing gear

Specifications

- Dual digital CMOS image sensors, 8.5 mm in diameter, mounted on a 90° axis from each other for forward and side view capabilities
- The imager is 36" in length and each sensor has an approximate Field of View of 54°
- Ultra violet lighting is provided by a light emitting diode producing light in the spectrum of 405-410 Nm
- Dual digital CMOS image sensors, 8.5 mm in diameter, mounted on a 90° axis from each other for forward and side view capabilities


BK8000-UV

BK5500-38-1

BK5500-38-2

BK5500-38-1/BK5500-38-2 Dual View Imager, 5.5 mm Diameter

- 5.5 mm imagers get into much tighter spaces than standard 8.5 mm
- Dual View Digital Cameras see straight ahead or at a 90 degree angle
- No need for additional mirror attachment, nothing to fall off the imager

- Close focus provides incredible detail
- Imagers are resistant to all common automotive chemicals
- Two year warranty for added purchase security
- CE - DE, ES, FR, IT, GB, NL and JP



- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4