



**Endoscope with integrated light and fixed glass fibre**

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| <p><b>KS TOOLS</b></p> <ul style="list-style-type: none"> <li>- Light strength integrated in hand grip</li> <li>- Ergonomic handgrip with integrated battery and switch for lights</li> <li>- Glass fibre, cable diameter 9,5 mm</li> <li>- Manual focus from 0 to ∞</li> <li>- With quality (6 x 200 m)</li> <li>- 2 x AA battery</li> <li>- 2 x replacement bulbs</li> <li>- 90° angular offset</li> </ul> | <ul style="list-style-type: none"> <li><b>550.1280</b> Endoscope with integrated light and fixed glass fibre cable</li> <li><b>550.1281</b> Spare lamp</li> <li><b>550.1282</b> Spare 90° offset</li> </ul> |
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**Electronic short circuit detector**

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| <p><b>KS TOOLS</b></p> <p><b>150.3075</b> Electronic short circuit detector</p> <ul style="list-style-type: none"> <li>- Enables testing of wires or cables for the easy identification, short circuits externally for testing without damaging the insulation</li> <li>- Can easily identify and locate the short or open circuits throughout the car, without removing covers</li> </ul> | <ul style="list-style-type: none"> <li>- The set consists of a sender and receiver</li> <li>- 1 x 9V Battery (not included)</li> </ul> |
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Xenon light!

probe only  $\varnothing$  5,8 mm!

**Endoscope, with external Xenon light and glass fibre cable. Very high resolution with adjustable focus**  
**For application in automotive and industry sector**

KSTOOLS

- Flexible light cable, multi directional glass fibre and high quality lens
- Glass fibre, cable diameter
- Xenon lamp, removable
- Ergonomic design
- Focus easy to use set up
- Incl 2 x CR123A 3V Lithium batteries
- Incl 45° angular offset
- With water and heatproof cable

- Resolution: 7.400 Pixel

- Lens coverage: 40°

- Ideal for fault diagnosis without dismantling parts of the car, eg engine fault

**550.1270** Endoscope, glass fibre cable 450 mm**550.1275** Endoscope, glass fibre cable 900 mm**550.1273** 45° angular offset



**Professional electronic stethoscope**

**KS TOOLS 150.1695** consists of:

- Super sensitive stethoscope with rubber cone and test probe
- Suitable for detection of faults in:
  - Engine Transmission, Fuel Injections, Radiators, Cat Intake/Exhaust Manifold, Valves and Fuel Tanks
- Kit includes audio probe, headphone, 6 clip-on microphones and 6 channel microphone selector box
- Used by Noise, Vibration and Harshness (NVH) engineers to isolate sources
- Enables vehicle to be road tested and diagnosed (by passenger) simultaneously
- 1 x Colour coded amplifier control box
- 1 x Electronic stethoscope
- 1 x Test probe
- 1 x Headphones
- 6 x Microphone clamps with colour coded cables
- 8 x Velcro straps
- 2 x 9 Volt battery blocks



### Automotive test probe, 3-48 V

KSTOOLS

#### 550.1503 Automotive test probe

- Universal probe for car electrics and electronics
- Two display diodes showing voltage and polarity (plus/minus)
- Fitted with test probe for easy access to components and nail so cables can be tested without damaging the insulation
- Including crocodile clip for fixing to components

**Range:** 3-48 V

**Test cable length:** 1 m

**Probe length:** 140 mm



### Inteli - probe

KSTOOLS

#### 150.1670

The Inteli Probe is a tool used for general auto electrical work. Simply hook up the battery clips at the end of the five-metre lead to the vehicle battery and the tool is ready for use.

The Inteli Probe can be used on 6V – 24V electrical systems, which makes it ideal for motorcycles, cars, boats and trucks.

The features include:

#### - Polarity test:

The LED changes colour, to indicate the polarity on the probe pin.

Red = positive, green = negative

#### - Continuity test:

Between the probe pin and the croc clip on the end of the green lead.

The LED shows green for a continuous (or closed) circuit.

#### - Energise components in the vehicle:

Pushing the switch forward causes a positive potential on the probe tip, and pushing the switch backwards causes a negative potential on the probe tip. This enables the user to energise lights, hooters, trailer connections and so on without having to remove them from the vehicle.

#### - Short circuit protection:

A thermal breaker, which can be manually reset, will trip out at 8A, providing protection to the vehicles wiring system. If the breaker trips, simply push the reset switch inwards to the reset the device.

#### - If required, test components out of the vehicle:

By using the green lead as ground connection, energising the probe tip will enable the user to check the component.

**Cabel length:** 5 m



**RPM measurement possible!**



**Automotive multimeter with inductive clamp**

- 150.2040**
- Developed for automotive application
- Normal multimeter features, the unit has a unique feature for detailed RPM test using a troposcope technique via the cable clamp included
- Automotive multimeter in a protective rubber boot
- Dual display: digital and bar graph
- DC Voltage/Current
- AC Voltage/Current
- Dwell, resistance, frequency, diode check, RPM/temperature
- Automatic off
- Battery condition displayed
- Fuse protection for circuits
- 2 Test leads for voltage (each with tips and croc-clips)
- 1 Temperature sensor and wire
- Induction clamp for clamping direct around ignition cable
- Ignition timing testing on 2, 3, 4, 5, 6 and 8 cylinder engines with dwell function



## Wire terminal Extract Multi tool set, 18-pcs.

**KSTOOLS 150.1250** consists of:

- Universal applications across a wide range of cars, terminal types from manufactures eg BMW, MB, Opel, VAG, Ford, Japanese and French manufactures
- This intelligent concept results in an easy to use 'All in One' tool. Designed with an extensive range of current and next generation cars in mind, this compact tool comes in a sturdy housing
- The tools come in 6 and 12 pcs respectively, with an application scope of both blade type and round terminal removal blades
- With these tools the terminal can be removed from (DC 12 – 24 V) contacts, as well as sensors, ABS, and Air conditioning terminals which are used in modern cars
- The two halves of the tool slot into each other, providing protection to the blades, which would otherwise be damaged in a tool box
- Fitting on each blade to make easy unfolding of individual tools
- Letters stamped on each of the tools on the 12-pcs. until for fast and easy identification

### Attention:

Removal of terminal covers may be necessary before the terminal can be removed. The cable should never be pulled as this can damage both the cable and terminal. It is suggested that terminals be supported from the opposite side of pushing to make removal easier

size/mm    | mm |

### Multitool Type 1, 12-pcs.:

<b>A</b>	Tube	Ø 3,3	28,00
<b>B</b>	Square blade	1,4	19,00
<b>C</b>	Flat blade	1,5	24,75
<b>D</b>	Flat blade	2,0	23,00
<b>E</b>	Fork blade	8,0	24,00
<b>F</b>	Flat blade screwdriver	3/16"x1,0	27,00
<b>G</b>	Tube	Ø 3,3	28,00
<b>H</b>	Tube	Ø 4,3	13,00
<b>I</b>	Tube	Ø 3,75	13,00
<b>J</b>	Tube	Ø 3,0	13,00
<b>K</b>	Flat twin blade	3,0	16,00
<b>L</b>	Flat twin blade	1,6	16,00

### Multitool Type 2, 6-pcs.:

<b>1</b>	Square blade, conical, sword form	25 x 44
<b>2</b>	Flat blade sword form	10 x 39
<b>3</b>	Flat blade sword form	27 x 45
<b>4</b>	Flat blade sword form, pointed	17 x 44
<b>5</b>	Round blade sword form	Ø 1,0    18 x 43
<b>6</b>	Fork blade, flat	3



**Soldering wire holding pliers**

**KS TOOLS** | mm |

**115.1052** 245

- Special pliers for fixing wires during soldering
- With self closing spring and latching mechanism



**Micro soldering assortment, 11-pcs.**

**KS TOOLS 960.1150** consists of:

- Gas powered micro soldering equipment up to 1300°C
- For fine work within the range electronics, model construction, shrinking treatment of hoses and cable soldering
- Adjustable gas flow, refillable with normal gas lighter refills
- Including different attachments, solder reel, soldering sponge

- 960.1151** Gas soldering gun
- 960.1152** Bunsen burner jet head
- 960.1153** Soldering heads including 6 different screw in soldering tips
- 960.1154** Flat nozzle for burning off for bunsen burner nozzle
- 960.1155** Shrink tube attachment for bunsen burner jet head



### Special pliers for bulbs with protective foam

<b>KS TOOLS</b>	± mm ±
<b>115.1054</b> Special pliers for bulbs	160
<ul style="list-style-type: none"> <li>- Makes easy and safe installation and removal of bulbs</li> <li>- Jaw of plier coated with foam which reduces possibility of breaking bulb, as with normal pliers</li> <li>- For bulbs Ø 4 – 6 mm (eg console + switch bulbs)</li> </ul>	



### Soldering tools

<b>KS TOOLS</b>	
<b>A 960.1110</b> Pocket soldering gun, with Piezo ignition	<b>C 960.1200</b> Universal butane soldering gun
- Temperature to 1300°C / 2450 F	- Temperature up to 1300°C / 2450 F
- For light soldering work	- With table stand 36 x 143 x 92 mm
- Safety cap	- Flame soldering burner with small bundled flamer for fine soldering work
<b>B 960.1210</b> Micro soldering set, 3-pcs.	
- Temperature: 1300°C / 2370 F	
- Gas volume: 64 ml, refillable	
- Burn time: ca. 2-3 hours each filling	
1 x Shrink and flame reflector	
1 x Table stand: 36 mm x 143 mm x 92 mm	