

700.1190

UNIVERSAL POLE TERMINAL AND WIPER ARM PULLER 2-ARM PATTERN

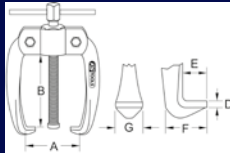


34,50 €

- 2-jaw
- ideally suited for removing the battery terminal and wiper arms
- Locking handle
- With conical tension screw for proportional tension force distribution
- Self-centring jaw puller
- Extremely robust spindle with inductively hardened thread
- Special tool steel



UNIVERSAL POLE TERMINAL AND WIPER ARM PULLER 2-ARM PATTERN

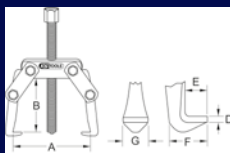


- 2-jaw
- ideally suited for removing the battery terminal and wiper arms
- Locking handle
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max t	Spindle size mm	D mm	E mm	F mm	G mm	g	
700.1164	10-60	40	0,5	M10 x 60	2,6	5,5	12,8	10,0	145	€ 39,50
700.1165	10-60	60	0,5	M10 x 80	3,7	5,8	12,4	10,1	173	€ 39,50
700.1166	10-70	80	0,5	M10 x 100	4,0	9,2	16,8	14,0	245	€ 42,50

POLE CLAMP 2-JAW PULLER

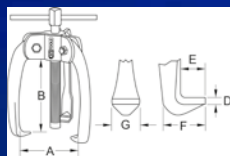


- 2-jaw
- Ideally suited for removing the battery pole terminal
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max t	Spindle size mm	6-point mm	D mm	E mm	F mm	G mm	g	
620.3101	10-60	40	1	M8x85	10	1	5	12	8	160	€ 29,50
620.3102	10-70	44/74	1,2	M8x85	10	1	5	12	8	200	€ 34,50
620.3103	10-90	84	2	M10x105	12	1,8	10	20	12	340	€ 39,50

3-JAW POLE TERMINAL EXTRACTOR WITH T-BAR



- 3-jaw
- Ideally suited for removing the battery pole terminal
- Locking handle
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max t	Spindle size mm	D mm	E mm	F mm	G mm	g	
700.1167	10-60	40	0,75	M10 x 60	2,3	5,5	12,3	10,0	181	€ 46,50
700.1168	10-60	60	0,8	M10 x 80	3,0	5,5	12,5	10,0	215	€ 52,50
700.1169	10-70	80	1,0	M10 x 100	3,0	8,0	15,2	14,1	323	€ 54,50

700.1197

BATTERY POLE AND CLAMP CLEANING BRUSH



7,50 €

- For the removal of contact corrosion and acid deposits on battery poles and pole terminals
- Can be used for internal and external cleaning of the poles
- Improves contacts
- Reduces the susceptibility of start-up difficulties
- External brush diameter equates to 20 mm
- Internal brush diameter equates to 18 mm
- Bristles made of metal
- Plastic housing



700.1195

BATTERY POLE AND TERMINAL CLEANING MILL CROSS

- For milling contact corrosion and acid deposits on battery poles and pole terminals
- Can be used for internal and external cleaning of the poles
- Improves contacts
- Reduces the susceptibility of start-up difficulties
- Conical milling insert made of steel
- Cast light alloy body material



11,90 €



550.1681

BATTERY PLUG TURNER

- For the damage-free screwing in and out of battery plugs
- Special slot profile for battery plug
- Universal application also with short overall height
- Two component handle
- Mirror polished
- Chrome vanadium



16,50 €



550.1682

BATTERY PLUG TURNER WITH T-HANDLE

- For the damage-free screwing in and out of battery plugs
- Special slot profile for battery plug
- Universal application also with short overall height
- With T-handle
- Mirror polished
- Chrome vanadium



7,50 €



SCREW PLUG SCREWDRIVER WITH GAG

- for damage-free insertion and removal of battery plugs and vent plugs on the radiator
- Special cross profile
- Universal application also with short overall height
- Locking handle
- Mirror polished
- Chrome vanadium



	Blade thickness in mm	Shank diameter in mm	Blade height in mm	Length mm	Ø		
550.1686	1,3	12,0	13,0	90,0	87	€	11,90
550.1687	1,8	12,0	13,0	90,0	87	€	11,90

150.9205

MEASURING CUP SET

- Configuration of practical measuring cup sizes
- For a wide range of uses
- Transparent
- Break-resistant
- Red primed scale division
- Resistant to oil, petrol and acid
- With handle and spout
- PE (polyethylene)

Scales: L/ml, cups, Oz, quart



250 - 500 - 1.000 ml



10,90 €

150.9240

FUNNEL SET

- Configuration of practical funnel sizes
- For a wide range of uses
- Red
- Break-resistant
- Resistant to oil, petrol and acid
- Grip strap for convenient use
- HDPE (high density polyethylene)



Ø 50 - 150 mm



16,50 €

160.0738

SUCTION AND FILLING BOTTLE

- ideal aid for drip-free filling or extraction of the brake fluid and battery acid
- suitable for brake fluid, battery acid and distilled water
- Resistant to oil, petrol and acid
- With rubber ball and rubber pipe
- Special plastic



8,50 €

150.1665

MINI TRANSFER PUMP

- Ideal tool for refilling in case of emergencies
- Suitable for battery acid, fuels, oils and distilled water
- The hoses are attached to the balloon lifter using the supplied hose clamps
- Special plastic



Ø 8,0 mm
2 x 900 mm



34,50 €

550.1701

BATTERY FILLER BOTTLE

- Ideal aid for drip-free filling
- Suitable for battery acid and distilled water
- Acid-resistant
- With flexible rubber tube
- Special plastic



39,50 €

150.1660

TRANSFER PUMP

- Ideal aid for easy transferring and pumping
- Suitable for battery acid, fuels, antifreeze, oils and distilled water
- Acid-resistant
- With high quality pump body and reinforced pump handle
- Through a rubber tube can also be used as an air pump
- Includes rubber tubes and reduce piece
- Special plastic

8 pcs



Ø 12,0 mm
2 x 1.300 mm

27,90 €

550.1683

AUTOMATIC BATTERY CELL FILLER, 2 LITRES

- Ideal aid for drip-free filling
- Stops automatically if the optimal filling level is reached
- With automatic closure
- The built-in special valve in the cylinder head automatically stops the flow when the fill level is reached
- Suitable for battery acid and distilled water
- Acid-resistant
- Special plastic



27,90 €

700.1196

BATTERY CARRYING HANDLE

- Allows for the easy removal and carrying of all batteries
- With rubber-coated clamping jaws
- Size adjustable clamp
- Ergonomic weight distribution
- With rubber grip



27,90 €

BATTERY SERVICE

550.1705

12V OBD II ELETRICAL SYSTEM SUSPENSE KEEPER

- Supplies the vehicle with voltage while replacing the battery so that various settings, such as radio codes, seat memory etc., are preserved
- Prevents data loss in the on-board electronics while replacing the battery
- Connection takes place via the OBD II bushing and cigarette lighter connection of a battery-powered start-up aid
- Readiness indicator checks and indicates safe connection establishment



27,⁹⁰ €

550.1706

12V OBD II ELETRICAL SYSTEM SUSPENSE KEEPER

- Supplies the vehicle with voltage while replacing the battery so that various settings, such as radio codes, seat memory etc., are preserved
- Prevents data loss in the on-board electronics while replacing the battery
- The connection takes place via the OBD II bushing and crocodile pole clamps of an external battery
- Readiness indicator checks and indicates safe connection establishment



29,⁹⁰ €

550.1680

ACIDIMETER FOR BATTERY FLUID

- For the inspection of the acidity of the battery fluid
- Easy to use: Suction, read, release
- Glass cylinder length is 14,5 cm
- With suction bellows
- Acid density can be read directly with a hydrometer



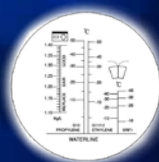
10,⁹⁰ €



550.1290

REFRACTOMETER - OPTICAL TESTER FOR BATTERY FLUID AND ANTIFREEZE

- For the quick and accurate testing of acidity in the battery fluid and the antifreeze content
- Can also be used for coolant and windscreen wiper fluid
- Adjustable eye piece with rubber viewing rest
- With automatic temperature compensation (ATC)
- Also suitable in ambient temperatures of less than 10°C
- Reading correction function by means of bimetallic measurement
- High quality design made from aluminium
- Good readability due to defined dividing lines
- Recalibration possible
- Includes calibration screwdriver and pipette
- In practical plastic case



56,⁹⁰ €

550.1285

REFRACTOMETER - OPTICAL TESTER FOR BATTERY FLUID, ANTIFREEZE AND ADBLUE® ADDITIVES

- For the quick and accurate testing of the acidity of the battery fluid, the antifreeze content and the AdBlue® additives
- Can also be used for coolant and windscreen wiper fluid
- Adjustable eye piece with rubber viewing rest
- With automatic temperature compensation (ATC)
- Also suitable in ambient temperatures of less than 10°C
- Reading correction function by means of bimetallic measurement
- High quality design made from aluminium
- Good readability due to defined dividing lines
- Recalibration possible
- Includes calibration screwdriver and pipette
- In practical plastic case

*AdBlue® is a registered trademark of the Verband der Automobilindustrie e.V (VDA).



67,⁹⁰ €

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150.1495

DIGITAL MULTIMETER INCL. TEST PROBES

- Specially developed professional multimeter for automotive and commercial electrics and electronics
- Dual LCD display with digital display and bar diagram display (32 segment bar graph)
- With automatic overflow and polarity indication
- With safety mechanism for V, $\mu\text{A}/\text{mA}/\text{A}$, therefore incorrect connection is impossible
- Central 19-digit rotary switch
- Large LCD display with 3.1/2-digit, high-contrast display with background lighting
- Charge state shown in display
- With integrated glass fuse 250mA / 600V, 10A / 600V – 32 x 6 mm to protect the circuits
- Includes measuring line set with probes
- With on/off switch and automatic temperature shutdown
- With fold out adjustable foot in protective rubber holster
- Sturdy plastic housing

Functions:

- DC and AC voltage measurement
- DC and AC current measurement
- Resistance measurement
- Diode test (with acoustic signal)
- Continuity test (with acoustic signal)
- Data hold function
- Battery check indicator



19,90 €



Technical data:

Co-current flow:	20 μA - 10 A
DC voltage:	200 mV - 600
AC voltage:	200 V - 600
Resistance measurement:	200 Ohm - 2 MOhm
Power requirement:	9V block battery
Fuse protection S1 (fine flow):	250mA/600V; 10A/600V
Storage temperature:	-10° to +50° C (14° to 122° F)
Working temperature:	0° to +40° C (32° to 104° F)

150.1480

DIGITAL MULTIMETER, INCLUDING TEST PRODS AND CROCODILE CLAMPS

- Specially developed high quality multimeter for automotive and commercial electrics and electronics
- Dual LCD display with digital display and bar diagram display (32 segment bar graph)
- With automatic overflow and polarity indication
- With safety mechanism for V, $\mu\text{A}/\text{mA}/\text{A}$, therefore incorrect connection is impossible
- central 11-digit rotary switch
- Automatic measuring range selection
- Large LCD display with 3.1/2-digit, high-contrast display with background lighting
- with integrated glass fuse 300mA/600V; 10A/600V - 32 x 6 mm to protect the circuits
- including double test lead set with test prods and crocodile clips
- With fold out adjustable foot in protective rubber holster
- Sturdy plastic housing

Functions:

- Continuity test (with acoustic signal)
- Temperature measurement
- Diode test (with acoustic signal)
- Capacity
- Frequency measurement
- Data hold function
- Automatic measuring range selection



Technical data:

Co-current flow:	326 μV - 10 A
Alternating current :	326 μV - 10A
DC voltage:	326 mV - 600
AC voltage:	3,26 V - 600
Resistance measurement:	326 Ohm - 32,6 MOhm
Capacity measurement:	326 nF - 32,6 μF
Frequency measurement:	32,60 - 150kHz
Temperature measurement:	-55°C ~ 1000°C
Power requirement:	9V block battery
Fuse protection S1 (fine flow):	300mA/600V
Fuse protection S2 (power-test socket) :	10A/600V
Storage temperature:	-10° to +50° C (14° to 122° F)
Working temperature:	0° to +40° C (32° to 104° F)

97,50 €



BATTERY SERVICE

150.2040

MULTIMETER, INCLUDING TEST PRODS, CROCODILE CLAMPS, INDUCTIVE CLAMP AND TEMPERATURE PROBE

- Specially developed high quality multimeter for automotive and commercial electrics and electronics
- With enhanced function for rpm measurement
- Ignition timing ascertainment up to 8-cylinder engines possible (Dwell function)
- Dual LCD display with digital display and bar diagram display (32 segment bar graph)
- With automatic overflow and polarity indication
- With safety mechanism for V, $\mu\text{A}/\text{mA}$, therefore incorrect connection is impossible
- Central 23-digit rotary switch
- With automatic area selection
- Large LCD display with 3.1/2-digit, high-contrast display with background lighting
- With integrated glass fuse 250V (500 mA) – 20 x 5 mm to protect the circuits
- Includes measuring line set with test prods, crocodile clamps, inductive clamp and temperature probe
- With on/off switch and automatic temperature shutdown
- With fold out adjustable foot in protective rubber holster
- Sturdy plastic housing

Functions:

- DC and AC voltage measurement
- DC and AC current measurement
- Resistance measurement
- Dwell
- Diode test (with acoustic signal)
- RPM measurement
- Temperature-automatic shutdown
- Frequency measurement
- Battery check indicator



203,⁵⁰ €

Technical data:

Co-current flow:	326 μA - 10 A
Alternating current :	326 μA - 10 A
DC voltage:	326 mV - 1000
AC voltage:	3,26 V - 750
Resistance measurement:	32 - 32000 ohm
Frequency measurement:	32,60 - 200 kHz
Speed measurement:	300 - 12000 rpm
Temperature accuracy :	23° C \pm 5° C
Temperature measurement:	-20° to +760° C (-4° to 1400° F)
Power requirement:	9V block battery
Fuse protection S1 (fine flow):	500mA/350V (20x5mm)
Fuse protection S2 (power-test socket):	10A/250V (30x5mm)
Storage temperature:	-10° to +50° C (14° to 122° F)
Working temperature:	0° to +40° C (32° to 104° F)

ELECTRONIC SURGE PROTECTION

- Constantly suppresses emerging voltage peaks to safe levels and therefore protects the vehicle power supply against overvoltages
- Prevents damage to the on-board electronics when charging the built-in battery or even during welding work
- Maximum load 200 A (8/20 μs)
- With fuse protection
- Visibility and tone signal in the event of voltages peaks
- With reverse polarity protection
- The connection to the battery takes place via two plastic-coated crocodile pole clamps
- Sturdy workshop design



	Volt max.	Cable length mm	🔒	
150.3080	12 V	195	480	€ 129, ⁹⁰
150.3045	12/24V	195	480	€ 179, ⁹⁰

550.1690

6 + 12V BATTERY TESTER

- Suitable for 6 and 12 volt batteries (lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries)
- For the quick and simple determination of battery efficiency
- With verification function for the starter battery, starter and load circuit measurement
- With on/off toggle switch
- Connection to the battery takes place via two plastic-coated crocodile pole clamps
- Verification possible, even with prevailing load
- Measurement results are displayed via a precise analogue measuring element
- Scale for various battery sizes and types
- Analogue display 0-16 volts
- Suitable for starter batteries from 30 Ah (12 V) and 15 Ah (6 V)
- Support for pole terminals on the device
- Sturdy steel plate housing



66,⁵⁰ €

Technical data:

Load current 12V:	100 Ampere
Load current 6V:	50 Ampere



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550.1685

12V DIGITAL BATTERY TESTER

- Suitable for 12 volt batteries (lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries)
- For the quick and simple determination of battery efficiency
- Automatic control of the entire testing process after one-time actuation of the start button
- The connection to the battery takes place via two plastic-coated crocodile pole clamps
- With verification function for the starter battery, starter and load circuit measurement
- Verification possible, even with prevailing load
- The measurement results are shown via an accurate 3-digit LCD display
- The result can be read via the digital LCD display after 10 seconds
- Suitable for starter batteries from 30 Ah (12 V)
- Support for crocodile pole terminals on the device
- Sturdy steel plate housing



Technical data:

Load current 12V: 100 Ampere

84,⁵⁰ €

550.1645

12V BATTERY-, CHARGING- AND STARTING SYSTEM ANALYZER

- Suitable for 12 volt batteries (lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries)
- Automatic control of the entire test procedure through menu navigation
- For the quick and simple determination of battery efficiency while taking the temperature compensation into account
- Checks the battery condition, charge status, internal resistance, cold start current value
- With verification function for the starter battery, starter and load circuit measurement
- The measurement results are shown via an accurate 5-digit LCD display
- In addition, the measurement results are displayed via coloured symbols: OK, charge and poor
- The connection to the battery takes place via two plastic-coated crocodile pole clamps
- Avoidance of an overload of the battery through too long of a measurement time
- Illuminated and very easy to read LCD display
- 0.45 metre long cable allows for flexible work
- Resistant rubber cup casing



Technical data:

Work area SAE: 100-1.400 CCA
 Work area DIN: 100-800 CCA
 Work area IEC: 100-800 CCA
 Work area EN: 100-1.400 CCA
 Work area CCA: 100-1.400 CCA
 Voltage range: 7.6-17 V
 Operating temperature: -18°C up to 55°C
 Display accuracy: +/- 0.5 Megaohm
 Frequency range: 100 Hz

211,⁹⁰ €

BATTERY SERVICE

550.1646

12V BATTERY-, CHARGING- AND STARTING SYSTEM ANALYZER WITH INTEGRATED PRINTER

- Suitable for 12 volt batteries (lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries)
- Menu-driven, intuitive operation
- With integrated thermal printer
- Automatic control of the entire test procedure through menu navigation
- For the quick and simple determination of battery efficiency while taking the temperature compensation into account
- Checks the battery condition, charge status, internal resistance, cold start current value
- Battery selection takes place quickly and precisely via printing protocol
- With verification function for the starter battery, starter and load circuit measurement
- Printing protocol supports the argumentation for workshop customers
- The connection to the battery takes place via two plastic-coated crocodile clamps
- Avoidance of an overload of the battery through too long of a measurement time
- Illuminated and very easy to read digital display
- 0.43 metre long cable allows for flexible work
- Includes thermal paper roll
- Resistant rubber cup casing



Technical data:

Work area SAE:	50-1.400 CCA
Work area DIN:	50-800 CCA
Work area IEC:	50-800 CCA
Work area EN:	50-1.400 CCA
Work area CCA:	50-1.400 CCA
Voltage range:	1,5-17 V
Operating temperature:	-18°C up to 55°C
Display accuracy:	+/- 0,5 Megaohm
Frequency range:	100 Hz

375,⁵⁰ €

550.1649

12V / 24V BATTERY-, CHARGING- AND STARTING SYSTEM ANALYZER WITH INTEGRATED PRINTER

- suitable for 12 Volt batteries (lead acid, gel, wet cell, MF, VRLA, EFB, AGM flat, AGM spiral and deep cycle batteries)
- Menu-driven, intuitive operation
- With integrated thermal printer
- Automatic control of the entire test procedure through menu navigation
- For the quick and simple determination of battery efficiency while taking the temperature compensation into account
- Checks the battery condition, charge status, internal resistance, cold start current value
- Battery selection takes place quickly and precisely via printing protocol
- With verification function for the starter battery, starter and load circuit measurement
- Printing protocol supports the argumentation for workshop customers
- The connection to the battery takes place via two plastic-coated crocodile pole clamps
- Avoidance of an overload of the battery through too long of a measurement time
- Illuminated and very easy to read digital display
- 3 metre long cable allows for flexible work
- including 3 thermal paper rolls, memory card and USB data cable
- In a practical storage case



Technical data:

Work area SAE:	40-2.000 CCA
Work area DIN:	40-2.000 CCA
Work area IEC:	40-2.000 CCA
Work area EN:	40-2.000 CCA
Work area CCA:	40-2.000 CCA
Work area CA / MCA:	40-2.000 CCA
Work area JIS#:	40-2.000 CCA
Voltage range:	9-36 V
Operating temperature:	+0°C to +55°C
Display accuracy:	+/- 0,5 Megaohm
Frequency range:	100 Hz

367,⁹⁰ €

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550.1730

12V SMARTCHARGER HIGH-FREQUENCY BATTERY CHARGER 2A

- Designed for continuous long-term use, even with built-in battery
- For lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries
- Fully automatic 3-stage charging cycle
- With integrated overload and reverse polarity protection against misuse
- Pulse charge preservation
- Ingress protection according to IP44
- Includes 3 connection cables (cigarette lighter, M6 ring eyelet contact, crocodile pole terminals)
- Connection cable can be changed via plug connection
- LED display
- The latest technology for the highest demands
- Impact resistant polyethylene housing

Application range: Motorcycles, passenger cars, vans and boats



Technical data:

Voltage range: 220-240V AC, 50/60HZ
 Charging voltage: 14,4V - 2A (12V)
 Battery capacity: 3 - 40 Ah
 Cable: H03VH2-F 2x0,5mm²

66,⁵⁰ €

550.1735

6V + 12V HIGH-FREQUENCY BATTERY CHARGER 4A

- Can be switched between 6 and 12 volts
- Designed for continuous long-term use, even with built-in battery
- For lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries
- Precise load control with microprocessor prevents overcharging and automatically switches to preservation mode after a completed charge process and prevents a "swelling" or even "explosion" of the battery
- Allows regeneration and recovery of deeply discharged batteries
- Fully automatic 9-stage charging cycle
- With integrated overload and reverse polarity protection against misuse
- Pulse charge preservation
- Ingress protection according to IP44
- Includes 3 connection cables (cigarette lighter, M6 ring eyelet contact, crocodile pole terminals)
- Connection cable can be changed via plug connection
- LED display
- The latest technology for the highest demands
- Impact resistant polyethylene housing

Application range: Motorcycles, passenger cars, vans and boats



Technical data:

Voltage range: 220-240V AC, 50/60HZ
 Charging voltage: 7,2V - 4A / 14,4V - 1A / 14,4V - 4A / 14,7V - 4A (6V/12V)
 Battery capacity: 3 - 80 Ah
 Cable: H03VH2-F 2x0,5mm²

90,⁹⁰ €

SMARTCHARGER QUICK CONTACT CABLE WITH CROCODILE POLE TERMINALS

- With plug connection
- With 2 crocodile pole terminals for a quick connection



SMARTcharger

	Length mm	g	€
550.1730-1	375,0	70	8, ⁵⁰

SMARTCHARGER QUICK CONTACT CABLE WITH 2 RING EYELETS

- With plug connection
- With M6 ring eyelets



SMARTcharger

	Length mm	g	€
550.1730-2	325,0	15	4, ⁵⁰

SMARTCHARGER QUICK CONTACT CABLE WITH CIGARETTE LIGHTER PLUG

- With plug connection
- With cigarette lighter plug
- Only in function if the cigarette lighter is switched to steady plus



SMARTcharger

	Length mm	g	€
550.1730-3	415,0	40	8, ⁵⁰

BATTERY SERVICE

550.1745

12V + 24V SMARTCHARGER HIGH FREQUENCY BATTERY CHARGER 25A/12.5A

- Can be switched between 12 and 24 volts
- Designed for continuous long-term use, even with built-in battery
- For lead acid, gel, wet cell, MF, VRLA, calcium, AGM and deep cycle batteries
- Precise load control with microprocessor prevents overcharging and automatically switches to preservation mode after a completed charge process and prevents a "swelling" or even "explosion" of the battery
- With integrated supply function for the power supply when the battery is removed
- Perfect charging and charge preservation
- Allows regeneration and recovery of deeply discharged batteries
- Fully automatic 9-stage charging cycle
- With integrated overload and reverse polarity protection against misuse
- Pulse charge preservation
- Ingress protection according to IP20
- With crocodile pole terminals
- With temperature sensor to take the temperature compensation into consideration
- 3-digit LED display
- The latest technology for the highest demands
- Impact resistant polyethylene housing



SMARTCharger

369,⁹⁰ €

Technical data:

Voltage range: 220-240V AC, 50/60HZ
 Charging voltage: 14,4V - 25A (12V), 28,8V - 12,5A (24V)
 Battery capacity: 12V: 75-500Ah - 24V: 45-250Ah
 Cable: H05RN-F 2x1,0 mm²

JUMP LEADS SET

- High quality design for tough daily use in a workshop
- Suitable for 12 and 24 volts
- Ideal for petrol and diesel engines in passenger cars and commercial cars
- With insulated stable battery terminals for optimal conductivity
- CCA (copper-coated aluminium)
- The handy carrying case allows for easy storage after use

Application range: Motorcycles, passenger cars, vans, caravans, boats, forklifts, commercial vehicles and agricultural machinery



	Cross section mm ²	Cable length in m	max. Load 30 sec	Norm	Size for petrol motor in cm ³	Size for diesel motor in cm ³		
550.1751	16,0	3,0	220 A	DIN ISO 72553	2.500	2.000	1,40	€ 26, ⁹⁰
550.1752	25,0	3,5	350 A	DIN ISO 72553	5.500	3.000	2,10	€ 39, ⁹⁰
550.1753	35,0	4,5	480 A	DIN ISO 72553	7.000	4.000	3,40	€ 57, ⁹⁰
550.1754	25,0	4,0	350 A	DIN ISO 72553	5.500	3.000	2,40	€ 40, ⁹⁰
550.1755	35,0	4,5	490 A	DIN ISO 72553	7.000	4.000	3,40	€ 55, ⁹⁰
550.1756	50,0	5,0	1.000 A	DIN ISO 72553	10.000	5.500	5,30	€ 71, ⁹⁰

550.1710

12 V BATTERY BOOSTER - MOBILE STARTING AID 700 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- Charge control indicator at press of button
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact-resistant housing with rubberised base area



SAFETYXtreme



527,⁵⁰ €

Technical data:

Battery:	12 Volt / 22 Ah
Starting current:	700 A
Peak current:	2200 A
Cable cross section:	35 mm ²
Battery charger:	12V DC / 4 A



550.1810

12 V BATTERY BOOSTER - MOBILE STARTING AID 850 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



526,⁵⁰ €

Technical data:

Battery:	12 Volt / 22 Ah
Starting current:	850 A
Peak current:	2500 A
Cable cross section:	35 mm ²
Battery charger:	12V DC / 1,5 A

550.1720

12 V + 24 V BATTERY BOOSTER - MOBILE STARTING AID 1400 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- Charge control indicator at press of button
- Acoustic warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Automatic mains charger and cable set included in scope of supply
- Cable can be conveniently stored on the housing
- Impact-resistant housing with rubberised base area



SAFETYXtreme



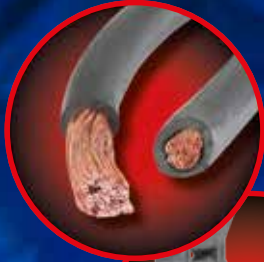
599,⁹⁰ €

Technical data:

Battery:	2 x 12 Volt / 22 Ah
Starting current:	1400 / 700 A
Peak current:	4400 / 2200 A
Cable cross section:	35 mm ²
Battery charger:	12V DC / 4 A

BATTERY SERVICE

SAFETY Xtreme



Cable



Clamps



Multifunction display

- Charging control – status color bar
- Displays “CHA” (charging) and “Full” (full)
- Displays charging status during pushing the button (Voltmeter)
- Displays the voltage of the vehicle / booster
- Displays reverse polarity “Er1” – blink + beep
- Displays problem with the vehicle battery “Er2”
- Displays electricity in 12V or 24V

Reverse polarity protection



Battery



Cigarette lighter cable

comes with the package (included LED)



Housing

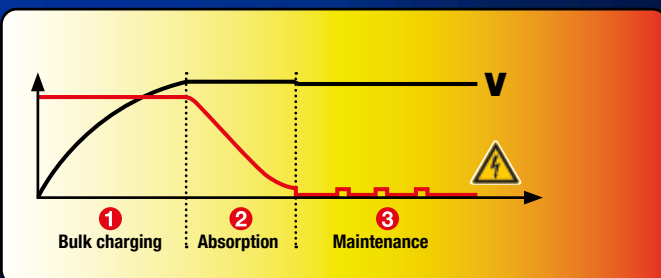


Override function



enables you to start deep-discharged batteries (2 - 10,5 V)

Long battery life with 3-Steps current charge:



Intelligent security concept avoids user errors:

Safety switching off supply electricity to the clamps only if:

- Correctly connected (polarity)
- The connection is short-circuit-proof
- The correct voltage is supplied
- The vehicle battery is in good condition



550.1725

12 V + 24 V BATTERY BOOSTER - MOBILE STARTING AID 3000 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integral electronics protection (voltage peak protected)
- Heavy-duty copper cable, cross-section 75 mm²
- 2.0 m cable length
- Intelligent, fully-integrated 3-stage automatic charging unit
- Multi-function display with coloured LED bars
- Intelligent protective circuits
- Polarity protection optical/acoustic
- Current-free cable connection to the vehicle battery
- Robust, wheeled housing with cable storage compartments
- Delivery scope includes vehicle charging cable



Technical data:

Battery:	2 x 12 Volt / 50 Ah
Starting current:	3000 / 1500 A
Peak current:	7200 / 3400 A
Cable cross section:	75 mm ²

1918,50 €

550.1825

12 V + 24 V BATTERY BOOSTER - MOBILE EMERGENCY STARTER 2340 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.65 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Robust, movable housing



Technical data:

Battery:	2 x 12 Volt / 25 Ah
Starting current:	2340/1170 A
Peak current:	6200/3100 A
Cable cross section:	50 mm ²
Battery charger:	12V DC / 4 A

1453,50 €

550.1820

12 V + 24 V BATTERY BOOSTER - MOBILE STARTING AID 1700 A

- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With external safety fuse
- Charge control indicator
- Acoustic warning tone if the polarity is reversed
- 1.72 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Battery charger, cable set and safety fuse included in the delivery
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:

Battery:	2 x 12 Volt / 22 Ah
Starting current:	1700/850 A
Peak current:	5000/2500 A
Cable cross section:	50 mm ²
Battery charger:	12V DC / 4 A

1001,50 €



CAPACITOR BOOSTER



550.1830

12 V CAPACITOR BOOSTER – MOBILE EMERGENCY STARTER 720 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 35 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:

Capacitor:	12 Volt / 288 FARAD
Starting current:	720 A
Peak current:	2250 A
Cable cross section:	35 mm ²
Battery charger:	12V DC / 2 A
Safety fuse:	500 A

906,⁵⁰ €

550.1840

12 V CAPACITOR BOOSTER – MOBILE EMERGENCY STARTER 1800 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:

Capacitor:	12 Volt / 500 FARAD
Starting current:	1800 A
Peak current:	9000 A
Cable cross section:	50 mm ²
Battery charger:	12V DC / 3 A
Safety fuse:	1000 A

1380,⁵⁰ €

550.1850

12 V / 24 V CAPACITOR BOOSTER – MOBILE EMERGENCY STARTER 4700 A / 3700 A

- Based on super capacitor technology
- Battery-free emergency starter
- Maintenance-free
- Can be stored for unlimited periods without re-charging
- Ideal for petrol and diesel engines in cars through to transporters
- Fully insulated terminal clamps (1000 A)
- Integrated electronics protection
- With integrated automatic fuse protection
- Charge control indicator
- Acoustic and optical warning tone if the polarity is reversed
- 1.6 m cable length
- With sturdy 50 mm² cable cross section
- Current-free cable connection to the vehicle battery
- Supplied with battery charger and cable set
- Cable can be conveniently stored on the housing
- Impact proof housing



Technical data:

Capacitor:	12 Volt / 24 Volt / 3400 FARAD
Starting current:	4700/3700 A
Peak current:	20.000/10.000 A
Cable cross section:	50 mm ²
Battery charger:	12V DC / 3 A

1998,⁹⁰ €

PREMIUM-WERKZEUGE



PREMIUM TOOLS

SAFETY Xtreme

Battery



Multifunction display

- Charging control – status color bar
- Displays "CHA" (charging) and "Full" (full)
- Displays charging status during pushing the button (Voltmeter)
- Displays the voltage of the vehicle / booster
- Displays reverse polarity "Er1" – blink + beep
- Displays problem with the vehicle battery "Er2"
- Displays electricity in 12V or 24V



550.1720

12 V + 24 V BATTERY BOOSTER - MOBILE STARTING AID 1400 A

599,⁹⁰ €

Cable



Clamps



Reverse polarity protection



Charger



12V / 4A

Housing



Override function



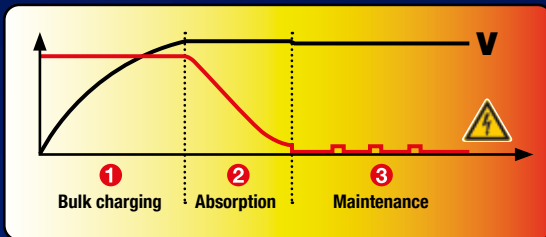
Capacity 2-10,5V enables you to start deep-discharged batteries (2 - 10,5 V)

Cigarette lighter cable



comes with the package (included LED)

Long battery life with 3-Steps current charge:



Intelligent security concept avoids user errors:

Safety switching off
Supply electricity to the clamps only if:

- Correctly connected (polarity)
- The connection is short-circuit-proof
- The correct voltage is supplied
- The vehicle battery is in good condition



Your Local Distributor

PREMIUM-WERKZEUGE



PREMIUM TOOLS

KS Tools Werkzeuge - Maschinen GmbH

Seligenstädter Grund 10 - 12
D-63150 Heusenstamm

GERMANY

Tel.: +49(0) 61 04 49 74-0
Fax: +49(0) 61 04 49 74-11
e-mail: aftersales@kstools.com
www.kstools.com



LL22-09EN_EUR

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