TOOLS

Wire / Cable strippers		Jokari	M-1...2
Cable knives / Multifunction tools		Jokari	M-2
Hand operated crimping tools		Pressmaster Z&F Cembre Jeesoon Rennsteig	M-3 M-3 M-3 M-3 M-4
Hydraulic crimping / Cutting tools		Cembre	M-5
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Die sets for crimping tools		Cembre	M-7
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Clamp testers		Chauvin Arnoux	M-10
Portable network analyser / Logger		Chauvin Arnoux	M-11
Thermal camera		Chauvin Arnoux	M-12
Electrical installation tester		Chauvin Arnoux	M-13

»JOKARI«

30900

Jokari a market leader in stripping technology for all types of wires, cables and conductors. Producing professional tools for most application areas in which wires must be processed easily, quickly and safely. All cable knives, cable and wire strippers are TÜV- and GS-certified.

- Highest standards of workmanship and material
- Durable, reliable performance guaranteed
- Complete quality assurance

Scan to watch video

Wire strippers

type	tool name	description	wire size
Allrounder	*for stripping of standard round and flat cables up to Ø 15 mm*		

For removing of the coating, longitudinal sections, stripping of solid or flexible wires for exposing of wire lengths for specific connections, and a broad working range.

- Round cables Ø 4...15 mm, Flat cables max. 15 mm wide and flexible wire 1.5...50 mm²
- Extra blade for longitudinal cut. 2 stripping notches with length stop for stripping conductors
- Removable length stop, suitable for left and right hand use, can be stored in the tool handle.

30900	**Allrounder**	universal stripper for round and flat cables	Ø 4 - 15 mm

Secura 2K	*soft grip (professional wire stripper)*		

Automatic wire stripper for single, multiple and fine stranded cables 0.2...6.0 mm² with std insulation.

- No adjustment necessary for different cross-sections
- Integrated safety wire cutter for wires up to 2.5 mm²
- Strip length stopper adjustable 6 to 18 mm
- Ergonomic security soft grip handle *(non-tiring long operation)*

20100	**Secura 2K**	soft-grip wire stripper *(incorporating cutter)*	0.2 - 6 mm²
29100		spare blade set for above soft-grip stripper	

20100

Super 4 plus *wire stripper (econo version)*			

- Automatic wire stripper for solid and standard wires 0.2 - 6 mm²
- Integrated safety cutter for wires up to max. 2.5 mm²
- Strip length stopper adjustable: 6 to 15 mm
- No adjustment necessary for different cross-sections

20050	**Super 4 plus**	econo wire stripper *(incorporating wire cutter)*	0.2 - 6 mm²

No. 6-16	*stripper for larger wire sizes 6 - 16 mm²*		

Suitable for solid and stranded conductors 6...16 mm² for removing the outer sheath from PVC-Flex.

- Automatic wire stripper suitable for wires 6 - 16 mm² *(no adjustments required)*
- Special cut permits removal of outer sheath of 3 core-flex 3 x 0.75 mm and solar cables
- Adjustable strip length:15 - 18 - 20 mm

20090	**No.6-16**	wire stripper for larger cross-section wires	6 - 16 mm²

20050

Universal No.12 - Cable stripper			

For quick, precise cable stripping of all common round and multicore cables Ø 8...13 mm.

- No adjustment of cutting depth necessary
- Ideal for cable stripping confined spaces such as in junction boxes
- Blades with special Titanium-Nitride coating (TIN) to achieve longer life, faster cutting and less wear

30120	**Universal No.12**	universal for all round cables *(no adjustment)*	Ø 8 - 13 mm

Secura No.15 - Super stripper			

- No cutting depth adjustments required
- Integrated, multi-functional slide-out blade
- Locking mechanism prevents unwanted opening of the tool
- Absolutely straight-forward longitudinal cuts - with innovative internal cable duct
- Special outlined blades for effortless stripping of wires of diameters 0.2 - 0.3 - 0.8 - 1.5 - 2.5 - 4.0 mm²

30155	**Secura No.15**	same as No.12 + wire stripper 0.2...4 mm² and blade	Ø 8 - 13 mm

20090

Flat cable stripper			

For PVC insulated and sheated cables e.g. Twin Flat Cable 2 x 1/1.5/2.5 mm²

Twin and Earth Cable 3 x 1.0 mm², 3 x 1.5 mm², 3 x 2.5 mm²
- Removes outer sheath and inner conductor insulation *(no adjustment necessary)*
- Adjustable strip length:15 - 18 - 20 mm

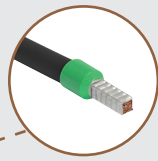| **20030**	**EM-Set FKZ**	for flat twin and twin + earth cables	0.75...2.5 mm²

30120

Specialised wire strippers

- Highest standards of workmanship and material - durable, reliable performance guaranteed
- Blades with special Titanium-Nitride coating (TIN) to achieve longer life, faster cutting and less wear

type	tool name	description	wire Ø	

Cable knives — *cable knife* — *contains spare blade (inside handle)*

- For stripping outer sheath from all standard round cables
- Automatic swivel blade *(screw adjustable for cutting depth)*

type	tool name	description	wire Ø
10160	Secura No.16	cable knife *(adjustable blade depth)*	4 - 16 mm
10280	Secura No.28H	cable knife with additional hooked blade	8 - 28 mm
10281	Secura No.28G	cable knife with additional straight blade	8 - 28 mm
10350	No.35	standard cable knife *(adjustable blade depth)*	27 - 35 mm
19000	–	spare blade for above cable knives	*(3 pc set)*

Cable knife system 4-70 — *with newly developed hook blade protection mechanism*

- Bracket change system permits stripping of cables from Ø 4...70 mm diameter with just one tool
- Perfect ergonomic design ensures easy, comfortable handling

type	tool name	description	wire Ø
70000	System 4-70	knife with protected hook blade with bracket No. 28	8 - 28 mm
79016	Bracket No. 16	bracket for system 4 - 70 for cables with diameter	4 - 16 mm
79035	Bracket No. 35	bracket for system 4 - 70 for cables with diameter	27 - 35 mm
79050	Bracket No. 50	bracket for system 4 - 70 for cables with diameter	35 - 50 mm
79070	Bracket No. 70	bracket for system 4 - 70 for cables with diameter	50 - 70 mm
19000	–	spare blade for above cable knives	*(3 pc set)*

Coax cable strippers — *for coaxial cables*

Secura Coaxi No.1, strips coaxial cables in two easy and quick motions, striping the outer sheathing and inner dielectric coat precisely without any damage to the wires or essential shielding.

- Quick, easy stripping of coaxial cable types - TV antenna cables, RG58/59, PVC-Flex 3 x 0.75 mm²
- No adjustment necessary, without damaging the inner metal shield

type	tool name	description	wire Ø
30600	Coaxi No. 1	Coax/RG59/59, CAT and PVC cables 3 x 0.75 mm²	Ø 4.8 - 7.5 mm

PC-Strip — *for PVC-insulated data communications and control cables*

Special sheathing and insulation stripping tool for PVC-insulated data communications and control cables.

- No adjustment of cutting depth necessary *(wire stripping range 0.2 - 4.0 mm²)*

type	tool name	description	wire Ø
30160	PC-Strip	data/network/printer/control cables 0.2...4 mm²	Ø 5 - 15 mm

PC-CAT — *for CAT5, CAT6, CAT7, Twisted-Pair-Cable*

For PVC-insulated data communications and control cables Cat5, Cat6, Cat7, twisted-pair, network and thinly insulated cables. Also for stripping individual wires *(0.2…0.8 mm²)*

- No adjustment of cutting depth necessary *(wire stripping range: 0.2…0.8 mm²)*
- Integrated, multi-functional slide-out blade

type	tool name	description	wire Ø
30161	PC-CAT	CAT5 / 6 / 7 cable or twisted pair 0.2...4 mm²	Ø 4.5 - 10 mm

SE-Strip — *for standard energy and security cables, double shielded solar cables*

For all common security, energy cables and double shielded solar cables with convenient pocket clip.

- No adjustment of cutting depth necessary
- Included wire stopper / length scale 8 - 10 - 12 mm

type	tool name	description	wire Ø
30190	SE-Strip 2.5-6	energy/double shielded solar cable Ø7.5…9.5 mm	2.5/4/6 mm²
30200	SE-Strip 10/16	energy/double shielded solar cable Ø 11...13 mm	10 - 16 mm²

Quadro Plus — *4 functions in one - **cutting - twisting - stripping - crimping***

Ergonomic, automatic wire stripper and crimping pliers for wires from 0.5...2.5 mm² wire stopper for perfect length, for quick precise stripping and crimping on insulated sleeves.

- Self adjusting blades cause no damage to conductors
- Integrated twisting device prevents splaying of wire strands
- Trapezium crimping to VDE 0609
- Cartridge accepts insulated ferrules *(in strips)* 0.5...2.5 mm²
- Incorporated side cutter for wires up to 2.5 mm²

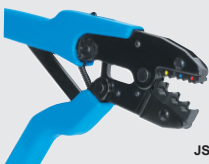| type	tool name	description	wire Ø
62000	Quadro	insulated carrying case with 2 spare cartridges	0.5 - 2.5 mm²
60100	–	spare quick-change cartridges for Quadro tool	–

(image captions: 10281, 10350, 70000, 30161, 62000)

Manual crimping tools for wire ferrules *(bootlace terminals)*

Proteus 10S - Professional self-adjusting crimping tool providing a square crimp cross section suitable for wire ferrules 0.14...10 mm². Ergonomically shaped handles with selected surface textures for comfortable, frequent use.

- Professional self-adjusting crimping tool providing a square crimp profile on wire ferrules
- Full cycle ratchet mechanism ensuring consistent, reliable crimp *(release on completion of crimping operation)*
- Ergonomic handles, light weight, low handle force and optimum opening for comfortable crimping
- Release lever to clear miscrimps and obstructions *(releases jaws before completion of crimp)*
- Non-slip rubber grip pad for applying pressure against a surface

new

4300-4661

4300-3129

4300-3149

type	for terminals	conductor (mm²)	cable entry	description	
Pressmaster - Professional self-adjusting crimping tool					
• High precision die geometry for a clearly defined square crimp shape of the ferrule					
• Automatic self-adjustment to required wire size					
4300-4661	ferrules	0.14…10	side	professional self-adjusting crimping tool	
Mobile frame system - with interchangeable dies for various terminals					

Lightweight, compact ratchet crimp tool designed for most types of mechanical, electrical and electronic connectors. Easily interchangeable crimp dies are kept together with a special pin to simplify handling.

- Reliable crimping performance consistent and accurate with a parallel action stroke.
- Easy-access release for fast, simple exchange of crimp dies *(no special tools required)*

4300-3149	die dependant		side	MCT frame only for interchangeable dies	

Interchangeable die sets for above tool frame
- A wide range of crimp dies to cover all applications in just one tool frame.
- Dies are kept in pairs and delivered in a modular reusable box.

4300-3129	insulated	0.5 to 4	side	red/blue insulated terminal crimping die set	
4300-3128	insulated	4 to 6	side	yellow insulated terminal crimping die set	
4300-3137	uninsulated	0.75 to 2.5	side	cable lug crimping die set	
4300-3139	uninsulated	4 to 10	side	cable lug crimping die set	
4300-3127	end sleeves	0.25 to 10	side	wire end sleeve crimping die set	
4300-3153	end sleeves	16 to 25	side	wire end sleeve crimping die set	
4300-3154	end sleeves	35 to 50	side	wire end sleeve crimping die set	
4300-3146	open barrel	0.5 to 6	side	open barrel connector crimping die set	
4300-3136	coaxial	RG58/59/62/71	side	coaxial connector crimping die set	
Z&F - Crimping tools *(for insulated and uninsulated ferrules)*					
Crimpit 2.4	end sleeves	0.5 to 4		economic crimping tool *(front and side entry)*	

Crimping tool with ratchet closing control

Crimpit F6L	end sleeves	0.5 to 6	side	crimping tool for wire end ferrules *(5 profiles)*	
Crimpit F16L	end sleeves	6 to 16	side	crimping tool for wire end ferrules *(3 profiles)*	
Crimpit F25L	end sleeves	6 to 25	side	crimping tool for wire end ferrules *(4 profiles)*	
Crimpit F50L	end sleeves	35 to 50	side	crimping tool for wire end ferrules *(2 profiles)*	

F25L

IT6L

Crimpit IT6L *(for pre-insulated cable lugs)*

- Crimping tool for PVC, PC and DPA insulated lugs, with ratchet closing control
- Crimping profiles for different wire cross-sections *(red/blue/yellow)*

Crimpit IT6L	insulated	0.5 to 6	side	crimping tool for pre-insulated lugs *(3 profiles)*	
Jeesoon - Crimping tool for pre-insulated terminals					

- With ratchet closing control
- Crimping profiles for different wire cross-sections *(red/blue/yellow)*

JSL 1305-1	insulated	0.5 to 6	side	crimping tool for pre-insulated terminals	
Cembre - Crimpstar range - Ratchet crimping tools					

JSL 1305-1

- Ergonomically designed non-slip moulded plastic grips
- Factory-set ratchet for crimping control *(automatic release on completion of crimping operation)*
- Emergency release lever *(releases jaws before completion of crimp)*

HP3	insulated	0.25 to 6	side	red/blue/yellow ratchet crimping tool	
HNN3	insulated	1.5 to 10	side	manual indent ratchet crimping tool	
HNN4	insulated	10 to 16	side	manual indent ratchet crimping tool	
HN-A25	uninsulated	10 to 25	side	manual hexagona ratchet crimping tool	
HNKE4	end sleeves	0.5 to 4	side	wire end sleeve crimping tool	
HNKE16	end sleeves	4 to 16	side	wire end sleeve crimping tool	
HNKE50	end sleeves	25 to 50	side	wire end sleeve crimping tool	

HNKE50

Professional hand tools for cable preparation

type	wire sizes mm²	tool length	description	H	W	D
				dimensions (mm)		

Cable shears *(cutters)*

- For cutting single/multi-strand and fine wire aluminium and copper cables
- Easy, clean cut with one hand operation - no crushing or deformation of cables

700 015 36	Cu 70	170 mm	cable shears for stranded conductors up to 70 mm²			

Professional scissors *supplied with carry case and swivel belt hook*

Robust-A professional scissors with special steel frame for high resistance and a long life

- Safe and easy operation even when wearing work gloves
- Dual compound material - soft rubber inserts to maximise grip
- Extremely lightweight and robust for safe, easy handling and comfort
- Easy cutting of conductors up to 50 mm² using the shaped grooves in each blade

SC5X	scissors		professional workmans scissors	162	77	18

Crimping tools for insulated and uninsulated ferrules *(bootlace terminals)*

Entry-level crimping tool for 0.25 – 2.5 mm² ferrules   PE 7.1

- Forged body - milled trapezoidal crimp profile

610 001 0	0.25...2.5	150 mm	entry-level crimping tool for ferrules 0.25...2.5 mm²			

Professional crimping tool for 0.08 - 16 mm² ferrules   PEW 8.185 / PEW8.87

- The established, patented tool further improved
- High-precision die geometry leads to a clearly defined square crimp shape of the ferrule
- Automatic self-adjustment to requested wire size

610 185 3	0.08-16	side entry	professional crimping tool for ferrules 0.08 - 16 mm²			
610 087 3	0.08-10	front entry	professional crimping tool for ferrules 0.08 - 10 mm²			

Automatic machines for cable preparation

type	wire sizes (mm²)	measuring length (mm)	description	H	W	D
				dimensions (mm)		

Cable cutting machine   *supply voltage 100...240 VAC 50/60Hz*

LC 100 offers significant potential savings. Measuring and transport rollers automatically adjust to wire diameter on insertion. Enter the desired length and quantity on the control panel and the production can begin. Included software enables recurring cutting jobs to be saved as projects.

- Easy to use, faster material change
- Cable cross-section is automatically detected
- Simple and fast data entry via clear graphical display and control panel
- High measuring accuracy through separate measuring and transporting roller

LC 100	0.8..10	2...1000 met	automatic wire cutter	194	228	301

CS 60 - Stripping machine   *supply voltage - 230 VAC 50Hz*

CS 60 settings are made by large user-friendly dials. A graphic display indicates values entered within seconds, the cross section settings and stripping length are performed. Insulation of cables not fully stripped to prevent fanning of the wire strands.

- Mobile use by carrying handle
- Fast setting of length and cross section
- Large graphic display facilitates adjustment
- The automatic clamping force adjustment protects sensitive insulations

CS 60	0.8...6	2...20 mm	automatic wire stripper	221	141	363

Stripping and crimping machines *(combined)*

type	wire sizes mm²	crimping length (mm)	description	H	W	D
				dimensions (mm)		

Electric stripping and crimping machine   *supply voltage - 230 VAC 50Hz*

Wire stripping and crimping done in one operation using belt strip ferrules in type K box dispensers Controlled by a sophisticated cam mechanism achieving a stable working process.

- Cycle time: 1.5s
- Easy to use, silent operation
- Cross-sectional change in a few simple steps.

MC 25	0.25...2.5	8 mm	automatic stripper/crimper	270	165	320

700 015 36

SC5X

610 001 0

LC 100

CS 60

MC 25

Cembre

Hydraulic crimping / cutting tools

type	for terminals	conductor (mm²)	crimping force (kN)	description	
HT and TC series - Hydraulic tools				*lightweight and compact*	

- Spring loaded handles, dies can be advanced using only one hand
- Pressure release system can easily be operated at any stage of compression
- Supplied with sturdy plastic carrying case for tool with compartments for die sets
- For ease of operation and comfort of operator, tool head can be fully rotated 180°

HT45 compact hydraulic crimping tool

HT45-E	die dependant	max. 150	50 kN	hydraulic crimping tool

HT51 -2 speed hydraulic crimping tool

- Supplied with sturdy plastic carrying case for tool and *(included)* die sets:
  ME 5-50, 7-50, 10-50, 14-50, 19-50, 24-50, 30-50, 37-50

KITHT51-1	die dependant	max. 240	50 kN	hydraulic crimping tool

HT131 hydraulic crimping tool for semi-circular slotted dies

- Supplied with sturdy plastic carrying case for tool and *(included)* die sets:
  ME 10-C, 14-C, 19-C, 24-C, 30-C, 37-C, 48-C

KITHT131-C-1	die dependant	max. 400	130 kN	hydraulic crimping tool

RH series - Hydraulic presshead

Hydraulic presshead complete with quick automatic coupler
for connection to a hydraulic pump with a working pressure of 700 bar max.

RHC131	die dependant	max. 400	130 kN	hydraulic presshead only

TC series - Hydraulic cutting tool

Hand operated hydraulic tool specifically designed to cut Copper, Alluminium-Steel cables.
Double speed action: a fast advancing speed for rapid approach of blades to cable and a slower more powerful speed for cutting.

- Blades manufactured from high strength steel, heat treated to ensure long service life

type	max. cutting diameter Ø	length	width	description
TC026 compact hydraulic cutting tool			*supplied with canvas carrying bag for tool*	
HT-TC026	Ø 25 mm	382 mm	129 mm	hydraulic cutting tool
TC series -2 speed hydraulic cutting tool			*supplied with plastic carrying case for tool*	
HT-TC041N	Ø 45 mm	727 mm	202 mm	hydraulic cutting tool
TC series hydraulic cutting head			*supplied with canvas carrying bag for tool*	

Hydraulic cutting head complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 700 bar max.

TC050	Ø 50 mm	325 mm	112 mm	hydraulic cutting head

Larger sizes available on request.

Hydraulic foot operated pump

- Pressure release can easily be operated at any stage of compression
- Supplied with 3 meter long high pressure flexible hose with self-lock quick coupler

PO - Foot operated double speed pump   *develops a maximum pressure of 700 bar.*

- Supplied with solid shaped stand providing stability during operation
- Supplied with sturdy plastic carrying case for tool

PO7000	700 BAR	680 mm	200 mm	hydraulic foot operated pump

Manual crimping tool

- Heat treated steel crimp jaws   • Handles of anti-slip plastic with hilt

TN series *(indent crimp)*   *adjustable for different conductor sizes*

- Easily adjustable die positioning by knurled screw and reference vernier scale

TN70SE	uninsulated	6 to 70	indent	adjustable manual crimping tool
TN120SE	uninsulated	10 to 120	indent	adjustable manual crimping tool

HT45-E

KITHT51-1

RHC131

HT-TC026

TC050

PO7000

Cembre

B35-50MD

Battery operated crimping tools

Cordless hydraulic crimping tools *(18.0 V Li-Ion high power batteries)*

- Pressure release button
- Extremely quiet, minimal vibration
- One hand operation, improved balance for better handling
- Tool head rotates 180° for ease of operation in confined spaces
- Durable moulded body with high resistance to wear and damage in all operating conditions

type	for terminals	conductor (mm²)	crimping force (kN)	description

B 35-50MD series - "Inline" type crimping tool

- LED light illuminating working area
- Wide opening head, ideal for derivations from running conductors
- Supplied with plastic carrying case for tool, battery, charger and space for die sets
- Two Li-Ion 18.0V 2.0Ah batteries and charger included *(indication of remaining battery life)*

B35-50MD	die dependant	max. 150	35 kN	battery operated crimping tool

KITB500-1

B 500 series - "Pistol grip" type crimping tool

- LED light illuminating working area
- Li-Ion 18.0V 4.0Ah high power battery
- Crimping cycle data stored *(up to 200.000 events)* in memory for later transfer to PC
- Supplied with plastic carrying case for tool, battery, charger and *(included)* die sets: ME 5-50, 7-50, 10-50, 14-50, 19-50, 24-50, 30-50, 37-50
- Digital display indicating: crimp pressure, available battery life, service/maintenance info

KITB500-1	die dependant	max. 300	63 kN	battery operated crimping tool

KITB1300-C-1

B1300 series - Portable crimping tool

- LED light illuminating working area
- Li-Ion 18.0V 4.0Ah high power battery
- Crimping cycle data stored *(up to 200.000 events)* in memory for later transfer to PC
- Supplied with plastic carrying case for tool, battery, charger and *(included)* die sets: ME 10-C, 14-C, 19-C, 24-C, 30-C, 37-C, 48-C
- Digital display indicating: crimp pressure, available battery life, service/maintenance information

KITB1300-C-1	die dependant	max. 400	132 kN	battery operated crimping tool

Die sets for crimping - see page M-7

B1300PL

Hydraulic pump *(supplied with sturdy plastic carrying case for pump accessories)*
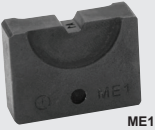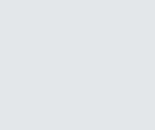
- Pressure release can easily be operated at any stage of compression
- Supplied with 3 meter long high pressure flexible hose with self-lock quick coupler

B1300 -battery operated hydraulic pump *Li-Ion 18V 4 Ah battery (supplied)*

- Supplied with pump, battery and charger, 0.9m flexible hose with quick connector
- Plastic carrying case suitable for storing the pump, battery and charger and all accessories.

B1300PL	729 BAR	354 mm	240 mm	battery operated pump

Die sets for crimping - see page M-7

Cembre

ME1

ME7

MA1-50

MA19-50

MA7-C

MN2RF-50

MN10RF-50

Die sets for hydraulic and battery operated crimping tools

type	for terminals	conductor (mm²)	crimping type	for crimping tool
Die sets for uninsulated terminals				
ME1	cable lugs	4...6	hexagonal	HT45-E
ME2	cable lugs	10	hexagonal	HT45-E
ME3	cable lugs	16	hexagonal	HT45-E
ME5	cable lugs	25	hexagonal	HT45-E
ME7	cable lugs	35	hexagonal	HT45-E
ME10	cable lugs	50	hexagonal	HT45-E
ME14	cable lugs	70	hexagonal	HT45-E
ME19	cable lugs	95	hexagonal	HT45-E
ME24	cable lugs	120	hexagonal	HT45-E
ME30	cable lugs	150	hexagonal	HT45-E
ME1-50	cable lugs	4...6	hexagonal	HT51/B35-50/B500
ME2-50	cable lugs	10	hexagonal	HT51/B35-50/B500
ME3-50	cable lugs	16	hexagonal	HT51/B35-50/B500
ME5-50	cable lugs	25	hexagonal	HT51/B35-50/B500
ME7-50	cable lugs	35	hexagonal	HT51/B35-50/B500
ME10-50	cable lugs	50	hexagonal	HT51/B35-50/B500
ME14-50	cable lugs	70	hexagonal	HT51/B35-50/B500
ME19-50	cable lugs	95	hexagonal	HT51/B35-50/B500
ME24L-50	cable lugs	120	hexagonal	B35-50MD
ME30L-50	cable lugs	150	hexagonal	B35-50MD
ME24-50	cable lugs	120	hexagonal	HT51/B500
ME30-50	cable lugs	150	hexagonal	HT51/B500
ME37-50	cable lugs	185	hexagonal	HT51/B500
ME48-50	cable lugs	240	hexagonal	HT51/B500
MA1-50	nest	4...6	indent	HT51/B35-50/B500
MA2.3-50	nest	10	indent	HT51/B35-50/B500
MA5-50	nest	25	indent	HT51/B35-50/B500
PA5-50	indentor	4…25	indent	HT51/B35-50/B500
MA7-50	nest	35	indent	HT51/B35-50/B500
MA10-50	nest	50	indent	HT51/B35-50/B500
PA10-50	indentor	35…50	indent	HT51/B35-50/B500
MA14-50	nest	70	indent	HT51/B35-50/B500
MA19-50	nest	95	indent	HT51/B35-50/B500
PA19-50	indentor	70…95	indent	HT51/B35-50/B500
MA24-50	nest	120	indent	HT51/B35-50/B500
PA24-50	indentor	120	indent	HT51/B35-50/B500
ME7-C	cable lugs	35	hexagonal	HT/RHC131/B1300
ME10-C	cable lugs	50	hexagonal	HT/RHC131/B1300
ME14-C	cable lugs	70	hexagonal	HT/RHC131/B1300
ME19-C	cable lugs	95	hexagonal	HT/RHC131/B1300
ME24-C	cable lugs	120	hexagonal	HT/RHC131/B1300
ME30-C	cable lugs	150	hexagonal	HT/RHC131/B1300
ME37-C	cable lugs	185	hexagonal	HT/RHC131/B1300
ME48-C	cable lugs	240	hexagonal	HT/RHC131/B1300
ME60-C	cable lugs	300	hexagonal	HT/RHC131/B1300
ME80-C	cable lugs	400	hexagonal	HT/RHC131/B1300
MA7-C	nest	35	indent	HT/RHC131/B1300
MA10-C	nest	50	indent	HT/RHC131/B1300
PA10-C	indentor	10…50	indent	HT/RHC131/B1300
MA14-C	nest	70	indent	HT/RHC131/B1300
MA19-C	nest	95	indent	HT/RHC131/B1300
MA24-C	nest	120	indent	HT/RHC131/B1300
PA24-C	indentor	70…120	indent	HT/RHC131/B1300
MA30-C	nest	150	indent	HT/RHC131/B1300
MA37-C	nest	185	indent	HT/RHC131/B1300
MA48-C	nest	240	indent	HT/RHC131/B1300
PA48-C	indentor	150…240	indent	HT/RHC131/B1300
MA60-C	nest	300	indent	HT/RHC131/B1300
PA60-C	indentor	300	indent	HT/RHC131/B1300
Die sets for insulated terminals				
MN2RF-50	cable lugs	10	radial	HT51/B35-50/B500
MN3RF-50	cable lugs	16	radial	HT51/B35-50/B500
MN5RF-50	cable lugs	25	radial	HT51/B35-50/B500
MN7RF-50	cable lugs	35	radial	HT51/B35-50/B500
MN10RF-50	cable lugs	50	radial	HT51/B35-50/B500

DIN rail cutter (professional)

Made in Germany **GLW**

DIN rail cutter *(for steel mounting rail only)*

DIN rail is often cut by saw or angle grinder creating dust, noise and a considerable risk of injury. The **RC200** is a high quality, professional DIN rail cutter designed for high output, offering "burr-free" precision cutting and trimming of standard DIN rails.

- Increased work safety and quiet operation
- Quick and professional burr-free processing
- Metric scale plate and table clamp *(optional)*
- Incorporates two cut profiles *(7.5 x 35 and 15 x 35 mm)* DIN rails.
- Precision "burr-free" cut and trim of DIN rail to length without waste

type	rail cutter	for rail depth (mm)	description

DIN rail cutter *(professional)*

RC200 DIN rail cutter *for DIN 35 rail 7.5 and 15 mm deep*

008328	cutter	7.5 + 15	DIN rail cutter *(2 profiles)* for 7.5/15 mm high x 35 mm rail

Accessories for above RC200 DIN rail cutter

009465	scale		metric scale plate and length stop for above DIN rail cutter RC200
009102	clamp		table clamp for above DIN rail cutter RC200

008328

Wiring duct cutter *(professional)*

type	duct cutter	max. cut width	max. length stop	description

Bench mounting wiring duct *(slotted trunking)* cutter

For fast, accurate cutting of wiring ducts to lengths, without burrs and with very little force

VTC 125 wiring duct cutter

- Blade guard guarantees secure operation
- Burr-free cut edges - No noise, no chips or dust
- Quick and easy cutting - ducts cut precisely to the millimetre
- Supplied with a 1 meter graduated dimension rule with length stop
- Hardened *(replaceable)* cutting blade - max. cutting width 125 mm

VTC125	cutter	125 mm	1000 mm	precision slotted wiring duct cutter

VTC125

Universal key for switchboards

Equipped with:		
	triangular shape	7 - 8 mm
	double notch	3 - 5 mm
	square shape	5 - 6 / 7 - 8 mm
	screwdriver bit *(flat and star)* and hexagonal holder	

UKC4	universal panel key square/triangle/double notch for switchboards *(+ screwdriver)*

UKC4

Tools

CHAUVIN ARNOUX GROUP

Made in France

1000V CAT IV

IP 54

3 YEAR WARRANTY

P01191773

Voltage Absence Tester (VAT) CAT IV 1000 V

Installations connected to an electricity distribution network, require measurements to be performed with power off to avoid electrical hazards (EN 50110-1 standard, DIN VDE 0682-401, NF C 18-510, etc.)
Securing the installation to ensure that it is non-current-carrying, requires the use of a Voltage Absence Tester.

• **Comprehensive integrated autotest** - indication of type of fault also displays a text message for information.
• **IP65 protection** for indoor and outdoor use, significantly higher than the IP54 rating required by the standard.
• **Audible and visual continuity** indication up to 100 Ω, in compliance with standards recommendations.
• **Removable test probes** to meet specific requirements in certain applications *(various models available)*

AC and DC voltage testing   Voltage detection takes priority, is automatic and indicated by distinct visual *(bargraph)* and intermittent beep. Stray voltages can be detected by pressing two buttons simultaneously to switch to low impedance mode.

2-wire phase rotation with microprocessor   Simple and quick, the 2-wire phase rotation function with microprocessor is useful in all circumstances, including installations powered by an electrical generator set or behind an isolating transformer.

Continuity and resistance testing   Checks that conductors are correctly connected. Continuity (R < 100 Ω) is indicated by a continuous audio signal whilst the resistance value is displayed directly.

Residual Current Device (RCD) trip test up to 30 mA   By simultaneously pressing the double command, you can cause a fault current sufficient to trip the RCD to flow through a low-impedance load.

Ergonomics specially designed for use in the field   Digital display, removable test probes ensure excellent handling. A built-in torch illuminates the point of measurement.

type	model	description	
Voltage Absence Tester		*IP65 enclosure*	*228 x 60 x 39 mm*

Display:	LEDs + backlit digital display
Voltage:	12 VAC - 1.000 VAC / 12 VDC - 1.400 VDC
Impedance:	> 500 kΩ / Polarity indication
Android application:	Not applicable
RCD tripping:	By low-impedance load switching *(approx.30 mA at 230 V)*
Continuity & Resistance:	Buzzer trigger threshold 100 Ω typical *(150 Ω max.)*
Extended continuity test:	0.5 Ω to 2.999 kΩ
Phase rotation:	2-wire type with microprocessor - Ph/Ph voltage 50 V - 1,000 VAC
Buzzer:	Intermittent for Voltage Detection - Continuous for continuity
Standards and elec safety:	IEC 61243-3:2009, EN 61243-3:2010, IEC 61010 1.000 V CAT I

Delivered with: manual, set removable test probes, 2x 1.5 V LR03/AAA batteries, Velcro strap.

P01191773   C.A 773   CAT IV 1.000 V Voltage Absence Tester (VAT)

P01196773

type	model	description
Digital multimeter (CAT IV 600 V)		*IP54*

General-purpose professional measuring instrument with TRMS measurements *(sinusoidal, distorted and DC signals)* measurement accuracy, rugged design, reliability of an on-site instrument.

• Large 6000-count display   • Temperature and capacitance measurements
• Double backlit display   • Min/Max memorization

Display:	2 x 6000 counts, backlit
Bargraph:	*(63 elements)* Bi-mode *(full scale / central zero)*
Acquisition:	TRMS AC / DC
Measurement rate:	5 measurements per second
Automatic / manual ranges:	Yes / Yes
AC/DC voltage:	600 mV / 6 / 60 / 600 / 1.000 V - accuracy 0.2% - 40Hz to 3kHz
LowZ AC voltage:	Low-impedance setting with Low-pass Filter
AC/DC current:	6.000 A / 10.00 A (20 A/30s)
Resistance measurement:	600 / 6,000 Ω / 60 / 600 kΩ / 6 / 60 MΩ, Audible continuity, Diode test
Frequency:	600 Hz / 6 kHz / 50 kHz
Capacitance:	8 cal.: 6.000 nF to 60.00 mF
Temperature:	-59.6 to +1.200°C / -4 to +2,192°F
Hold facility:	Yes Min / MAX (100 ms)
Min / MAX (100 ms):	Yes
Automatic power-off:	Yes *(can be deactivated)*
Safety:	IEC 61010-1, IEC 61010-2-033 CAT IV 600 V / CAT III 1000V
Power supply:	1x 9 V 6LR61 battery
Dimensions / weight:	90 x 190 x 45 / 400 g

Delivered with: Set leads, set test probes, 1x 9V 6LR61 battery, K thermocouple temp sensor

P01196773   *C.A5273*   digital multimeter hand held for all applications

Accessories *for above C.A5273 multimeter*

P01298076

P01298076   carrying bag with MultiFix multi-position mounting accessory

CHAUVIN ARNOUX GROUP

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Tools

1000V CAT IV | Bluetooth | Android | **IP 54** | **3 YEAR WARRANTY**

Digital Power and harmonics clamp multimeter

General-purpose professional clamp-on measuring instrument with True RMS measurement accuracy, reliable and particularly resistant to falls.

Scan to watch video

Clamping diameter:		**Ø34 mm**
Display:		Large 6000-count, backlit LCD screen
Amp (RMS)	AC	600 A
	DC, AC+DC	900 A
Volt AC (RMS)	AC	1000 V - 1%
Volt DC	DC, AC+DC	1400 V - 1%
Automatic AC/DC detection:		Yes (V and A)
Frequency for V/I:		Yes / Yes
Resistance measurement:		60 kΩ
Audible continuity:		Yes (< 1 Ω…599Ω)
Diode test:		(semi-conductor junction)
Temperature (type K):		-60.0 to +1000 °C
Power:	W, var, VA, PF	Yes - single-phase and total three-phase
Harmonic analysis:		THDf / THDr
Phase rotation:		(2-wire method)
Motor-inrush function:		Yes
True-inrush function"		Yes
"Min / Max" / Peak function:		Yes / Yes
Auto Power off / "Hold" function:		Yes
Low battery indication:		Yes
Electrical safety as per:		IEC 61010 CAT IV 600V, CAT III 1000 V
Dimensions / weight:		78 x 222 x 42 / 340g

Delivered with: *1 set of PVC leads (black/red) with insulated elbowed male banana plug / insulated straight male banana plug, 2 test probes / insulated female plug (black/red) 1 safety crocodile clip (black) 1 x 9 V 6LR61 battery, 1 Multifix shoulder bag, mini-CD containing the User Manual.*

type	model	description
P01120925	***F205***	digital clamp multimeter/tong tester for all applications

Power and harmonics clamp multimeter   (IP54)

Current 1000 A, Voltage 1000 V, power, harmonics and recorder

Clamping diameter:		**Ø48 mm**
Display:		Large triple 10 000 count, backlit screen
Amp (RMS)	AC	150mA to 1000 A - 1%
	DC, AC+DC	150mA to 1500 A - 1%
Volt AC (RMS)	AC	100 mV to 1000 V - 1%
Volt DC	DC, AC+DC	100 mV to 1000 V - 1%
Automatic AC/DC detection:		Yes (V and A)
Resistance measurement:		100 kΩ (continuity buzzer)
Audible continuity:		Yes (< 40 Ω)
Frequency:		15Hz to 20kHz
Power:	W, VA, var	Yes - single-phase and total three-phase
PF and cos φ (DPF):		Yes
Total Harmonic Distortion:		THDf % / THDr %
Harmonic decomposition:		Yes - up to 25th order
Crest factor (CF) / Motor InRush:		Yes
Current surge *(True InRush):*		Yes
"Min Max" / Peak function:		Yes / Yes
Auto power off / "Hold" function:		Yes
REC storage function:		Yes - *(up to 3000 measurements)*
Data logging:		Yes
PC / Bluetooth interface:		Yes
Electrical safety as per:		IEC 61010 CAT IV 1000V, CAT III 1000 V

Delivered with: *Multifix shoulder bag, Power Analyser Transfer (PAT) software, 2 voltage leads (red/black), 2 test probes (red/black), 2 crocodile clips (red/black), 4x 1.5 V AA alkaline batteries, operating manual.*

P01120947	***F407***	digital clamp multimeter/tong tester for all applications

Accessories for above F205\F407 multimeters

P01102100Z	mount kit	multifix magnetic mounting kit for clamp meters

DEHNcare series - Safety protective gloves

- Size *(international):*   8 - medium
- Standard: IEC 61482-1-2 /1-1, DIN EN 388 / 407
- Direct incident energy (after box test: class 2) (Eio):   427 kJ / m²
- Good touch sensitivity due to soft leather glove palm *(breathable materials maximise wearing comfort)*

785796	medium	Arc-fault tested protective gloves

P01120925

P01120947

785796

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1000V CAT IV | Bluetooth | Android | IP 54 | 3 YEAR WARRANTY

P01157151

new

Chauvin Arnoux - PEL103 Power & Energy Loggers   *IP54 casing*

Portable, advanced yet simple to use Power and Energy logger, designed for energy audits (ISO 50001 standard) or one-off measurements of the Power and Energy values in low-voltage electrical networks (1000 V CAT III)

PEL100 series Power and Energy loggers provide a complete solution to measuring and identifying energy consumption in any industry, they can be used handsfree, remotely without interruption to the mains power. The logger tracks even the slightest consumption in an electrical network, providing all Power and Energy measurement recording on the internal 2GB SD card, while simultaneously permitting real-time monitoring on its backlit 4 line LCD display. Recordings are time/date stamped for ease of comparing measured gains achieved before and after installation modification. Easily transfer recorded data to a PC via the free PEL data transfer software and SD card with USB adaptor *(included)*.
Designed to fit inside most electrical cabinets thanks to its magnetic base or hook for easy mounting.

Key Features of the PEL103 include:

Measurements and display of:
- RMS frequency, voltage and current measurements
- Voltage measurement ranges 10 to 1000V AC/DC +/- 0.2 % + 0.5 V
- Current measurement ranges 5 mA to 10 kA AC / 50 mA to 1,4 kA DC ±0.5 %
- VA, W and var power values
- Power Factor (PF), cos φ, tan ϕ and crest factor
- Total Harmonic Distortion (THD) for currents and voltages
- DC, 50 Hz, 60 Hz and 400 Hz measurements
- Phase rotation indication and MIN/MAX indication of all parameters
- VAh, Wh *(source, load)* and varh *(4 quadrant)* energy values, total energy
- Harmonics: up to the 50th order for currents and voltages *(an essential feature to help identify problems)*

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-	**Network types include:**	Three phase *(with or without neutral)*, split phase, single phase
-	**Automatic recognition:**	Of the type of sensor connected
-	**Communication / Data transfer:**	USB, Ethernet and Bluetooth / PEL transfer PC software *(included)*
-	**Records:**	Measurements and calculation results on SD card *(included)*
-	**Acquisition rate:**	128s/period

PEL 103 Power and Energy logger (KIT)   *(created as a complete kit with following accessories)*

1 x PEL103 Power and Energy Logger:	Analyser with backlit LCD screen
3 x MA193 (200 mm) flexible current clamps:	MINIFLEX MA193 flexible current sensors - 200mA to 10 kA
4 x Measurement leads and crocodile clips:	Robust high quality test leads for frequent use/built to last
1 x Set of coloured rings and Inserts:	For easy identification of connections and leads
1 x 2GB SD card *(internal)*:	SD card to USB adaptor

*SD card to USB adapter, USB cable, mains cable, MultiFIX mounting system, operating manual (on CD)
PEL transfer PC software enabling data to be transferred to PC, all in a convenient canvas carrying bag.*

P01157150

type	model	description	dimensions (mm)		
			(H)	(W)	(D)
PEL 103 Power and Energy logger (KIT)					
P01157151	PEL103 **(KIT)**	portable power and energy logger/analyser	256	125	37
P01157150	PEL102 **(KIT)**	*as above, but without LCD display screen*	256	125	37
Accessories for PEL103 Power and Energy logger					
P01120434B	MN 93A	compact tong clamps for PEL102/3	Ø20 mm	0.005 - 100A	
P01120323B	C193	compact tong clamps for PEL102/3	Ø52 mm	1 - 1000A	
P01120580*	MA193-250	Ampflex 250 mm flexible current sensor	Ø70 mm	200mA - 10kA	
P01120526B	A193-450	Ampflex 450 mm flexible current sensor	Ø140 mm	100mA - 10kA	
P01101959	CA833X-F	for reading from 5A secondary CT's		5A adaptor	
P01102134	self-power	mains adaptor for self powering PEL from supply		mains adaptor	
P01295174*	mains lead	mains power cable - (2P EUR)			
P01295476*	test leads	spare measurement leads (3m) with crocodile clips		KIT *(black)*	
P01102080*	set	ID rings and inserts *(for ends of leads and sensors)*		diff. colours	
P01298078*	bag no.23	canvas carrying bag for PEL analyser and access			

* *Items supplied with standard* **PEL KIT**.

P01157151 + P01102134

Data processing software   *power quality & installation supervision*

Automatically recognizes the instrument connected to the PC and opens the corresponding menu, providing direct access to the configuration and saved data. Includes many predefined report templates for quick generation in compliance with applicable standards.
Users can create personalised models to fit their requirements and add comments directly.

- Configuration of all the functions of instruments connected to a PC or via Bluetooth
- Recovery of the recorded measurement data and backup of measurement files
- Opening of saved files / processing and creation of reports (EN50160)
- Export into an Excel spreadsheet or PDF format / Database management

P01102095	DataView	powerful configuration/transfer/measurement data processing software

P01120580

CHAUVIN ARNOUX GROUP

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Tools

1000V CAT IV | IP 54 | 3 YEAR WARRANTY

DIACAM 2 series - Thermal Camera

DIACAM 2 is a high performance thermal camera making it simple to perform thermal inspections for energy audits, ensuring trouble-free industrial, electrical or mechanical maintenance.

The wide 2.8-inch screen with auto brightness adjustment provides comfortable reading with a field of view of 38° x 28° and the camera is focus-free. A built-in sliding cover protects the highly sensitive lens.
Contextual help guides users step-by-step, limiting the risk of errors. Particularly rugged, with IP54 ingress protection, the camera can withstand falls from 2 metres.

Industrial maintenance   For electrical maintenance, can detect electrical equipment malfunctions, particularly abnormal overheating before a fault occurs, avoiding the considerable cost of halting production to carrying out repairs.

Report creation   The supplied CAmReport® software, used to create automatic reports can be exported in Word or PDF format, simplifying printing and archiving.

Features:
•   Flexible use thanks to its Laser pointer and focus-free capability with 38° x 28° field of view
•   Exceptional 9-hour continuous use
•   Recovery of data from other measuring instruments *(current, humidity, dew point, etc.)*
•   Recording and storage in memory of the configurations for each application
•   Allows you to record voice comments directly on the image
•   Comfortable grip, perfect balance with direct access to all functions with just one hand
•   Wide 2.8-inch screen with automatic or manual brightness control
•   Slide-down protective lens cover
•   Quick start-up

new

P01651904

Scan to watch video

Detector:

Type:	UFPA microbolometer, 8 ~14 µm
Frequency:	9 Hz
Sensitivity (N.E.T.D):	80 mK @ 30°C (0.08 °C @ 30 °C)

Temperature Measurement:

Temperature range:	-20 °C to +250 °C
Accuracy:	±2 °C or ±2 % of reading

Image Performance:

Thermal image:	-20 °C to +250 °C
Field of view:	38° x 28°
IFOV *(spatial resolution):*	4.1 mrad
Focus:	Fixed
Minimum focal distance:	30 cm
Real image:	Yes *(320 x 240 pixels)*
Display mode:	Thermal image, real image with automatic parallax compensation *(merging of both images possible with PC software)*

Analytical Functions:

Measuring Tools:	Manual cursor + automatic detection + Min Max Avg on adjustable area + temperature profile + isotherm
Parameter settings:	Emissivity, environmental temperature, distance, relative humidity
Vocal comments:	Yes via Bluetooth *(earphones provided)*
Data storage:	On 2 GB micro SD card *(approx. 4.000 images)* replaceable up to 32 GB
Image format:	PNG - thermal and real images recorded simultaneously
Laser pointer:	Yes

Image Display:

Settings:	Automatic or manual adjustment of the min max for the palette
Freezing of image:	Animated or fixed image
Display of image:	Multi-palette
Screen:	2.8 inch

Power Supply:

|	
Type:	NiMH rechargeable batteries with low self-discharge
Recharging method:	External charger *(supplied)*
Battery life:	9 hrs *(typical)* / 50 % brightness and Bluetooth deactivated
Dimensions / weight:	*225 x 125 x 83 / 700 g*

Delivered with: *C.A 1954 thermal camera in a site-proof case with 4 NiMH batteries and battery charger, micro SD HC card, USB cable, Bluetooth earpiece, specimen measurement report, CAm Report® software on CD-Rom and user's manual.*

Thermal inspections | Mechanical inspections Construction | Radiator inspections
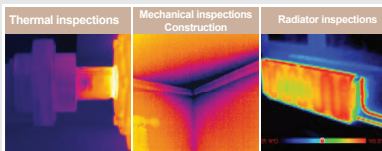
Thermal Camera - DIACAM 2		IP54	
type	model	description	
P01651904	*C.A 1954*	high performance thermal camera	

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Electrical installation tester

Designed for checking safety on electrical installations, the **C.A 6133** tester can be used to test new before powering up, installations check existing installations whether in operation or not, and troubleshoot malfunctions. For certification organizations, these portable instruments are simple, effective and, above all, compliant with applicable standards.

The C.A 6133 is designed to be exceptionally simple to use. All measurements and functions are accessible directly on the front panel of these compact, lightweight instruments. Explicit markings on terminals prevent any risk of connection errors.

- Earth measurement by stake and loop methods
- Continuity measurement at 0.2A
- Insulation testing
- RCD testing: Current and trip time
- Automatic test sequences
- Storage of test results
- ANDROID application for report generation
- Power supply by mains-rechargeable batteries, USB socket or vehicle cigarette lighter

The C.A 6133 is equipped with a cable compensation function to ensure reliable measurements and can be used for Voltage, Continuity, Resistance, Insulation and Loop measurements. Current can be measured with *(optional)* MN73A external clamp. The tester also checks the phase rotation and can test type A & AC RCDs in ramp or pulse mode. To save time the C.A6133 can automatically run test sequences and store the results.
For example, it is possible to store a sequence such as AUTO LOOP - RCD - MΩ to speed up work in the field.

Ergonomics:
- Stand for positioning on a bench or table
- Magnetized casing for magnetic mounting
- 4-point strap for effortless hands-free use
- Backlit screen for easy reading, even in low light conditions
- Terminals with explicit markings *(L, N, PE, H, S, E , +, com connections)* prevent connection errors
- Remote-control probe for starting tests remotely
- A three-pole cable for direct measurements on 2P + E sockets

The "IT Report" dedicated to electrical installation testing enables users to download test results via Bluetooth and to generate and view the measurement report.

Voltage measurement:	550 VAC / 800 VDC
Continuity:	At 200mA,
Resistance:	From 1 to 99.99 kΩ
Insulation: test voltage	250V, 500V or 1,000 V (0.01 - 999.9 MΩ / 10 kΩ or 100 kΩ / ± (3% R + 3 cts)
Type AC & A RCDs:	30mA, 100mA, 300 mA, 500 mA, 650 mA
RCD in pulse mode:	Tripping time
RCD in ramp mode (30 mA):	Tripping current
Phase rotation:	45 to 550V; 45 to 65 Hz
Frequency measurement:	30 Hz to 999.9 Hz
Insulation:	Additional 1,000 V test voltage
3P earth (stakes):	Up to 2.000 Ω
Automatic RCD test sequence:	No trip - pulse - ramp
Automatic test sequence:	Loop - RCD - MΩ
Data storage:	30 sites with 99 tests each
Power supply:	By rechargeable batteries with built-in charger
Bluetooth communication:	Yes

Recharging possible via the mains, USB socket or vehicle cigarette lighter socket
Automatic recognition of the optional MN73A external clamp

Delivered with: *Carrying bag containing: 1 neck strap, 1 three-pole EURO mains cable, 3 safety cables with crocodile clips, 1 test probe, USB 2A power supply + USB cable, 6 Ni MH rechargeable batteries, test report with measurement report*

P01146013

new

type	model	description
P01146013	***C.A 6133***	electrical installation tester for all applications

Accessories for above C.A 6133 Installation tester

P01120439	MN73A	current clamp for above electrical installation tester
P01102157		remote-control probe for electrical installation tester

Notes