

SOLDERING EQUIPMENT AND ACCESSORIES – CHEMICAL PRODUCTS

Function test

without complex testing equipment.
For photoelectric (optoelectronic) smoke detectors

Battery test

The functionality of a smoke alarm is not ensured by pressing the battery test button, rather only by using a smoke alarm spray.

Contents

sufficient for approx. 150 smoke detector tests.



Note: Due to the limited shelf-life, it is not possible to return the spray and cleaner cans!

Lead-free electronic solder

According to DIN 29453, S-Sn 99.3 Cu 0.7, with active resin flux according to DIN EN 29454-1 1.1.2.B 2.5% (weight % 2.5 ± 0.5), non-corrosive on non-ferrous metals, supplied on disposable coils

Wire ø mm	Weight g		
1.0	100	1	15 0152
	250	1	15 0154
	500	1	15 0156
	1000	1	15 0158
1.5	100	1	15 0162
	250	1	15 0164
	500	1	15 0166
2.0	1000	1	15 0168
	250	1	15 0174
	500	1	15 0176
3.0	1000	1	15 0178
	250	1	15 0180
	500	1	15 0182

Electronic solder

According to DIN EN 29453, with activated resin flux, non-corrosive on non-ferrous metals, fast-flowing, flux according to DIN EN 29454-1 1.1.2.B 2.5% (weight % 2.5 ± 0.5) S-Sn60Pb40, supplied on disposable coils

Wire ø mm	Weight g		
1.0	100	1	15 0052
	250	1	15 0054
	500	1	15 0056
	1000	1	15 0058
	6	1 m	15 0060
1.5	100	1	15 0062
	250	1	15 0064
	500	1	15 0066
2.0	1000	1	15 0068
	250	1	15 0074
	500	1	15 0076
3.0	1000	1	15 0078
	250	1	15 0080
	500	1	15 0082

Radio solder

According to DIN EN 29453, with activated resin flux, non-corrosive on non-ferrous metals, fast-flowing, flux according to DIN EN 29454-1 1.1.2.B 2.5% (weight % 2.5 ± 0.5) S-Sn40Pb60, supplied on disposable coils

Wire ø mm	Weight g		
2	250	1	15 0104

Solder in triangular rods

According to DIN EN 29453, extruded, standard dimension: 11 x 11 x 11 mm, approx. length 440 mm

SN %			
35	1 kg	15 0140	
40	1 kg	15 0150	
60	1 kg	15 0160	

Lead-free solder in triangular rods

According to DIN EN 29453, extruded, standard dimensions: 11 x 11 x 11 mm, approx. length 400 mm

SN %			
99.3	1 kg	15 0161	

Soldering grease

Acc. to DIN EN 29454-1 3.1.1.C, for the soft soldering of tinplate and leaded sheet metal, for the tinning of copper and brass, not suitable for use in the field of electrical engineering and electronics (contains zinc chloride, corrosive)

50 g	1	15 0230	
100 g	1	15 0232	
250 g	1	15 0234	



Contact soldering paste

Acc. to DIN EN 29454-1 1.1.2.C, for soldering in the fields of electrical engineering, electronics and electrical installation

50 g tin

1 15 0240



Desoldering pump

Ideally suitable for repair work on circuit boards and electronic components, in professional industrial quality with extremely high and constant suction power and large aluminium solder chamber, low weight (only 65 g), with thin, anti-static Teflon desoldering tip.

195

1 15 0300



Electronic soldering devices

220 Volt, with plastic handle, 1.5 m power cable and "Schuko" safety plug, interchangeable copper soldering tips

Watt Soldering tip temp. Approx. heating time Soldering tip ø mm

15 370 °C 1.5 min 5-straight 1 15 0448

Replacement soldering tip for 15 0448 1 15 0449

30 410 °C 1.5 min 5-straight 1 15 0600

Replacement soldering tip for 15 0600 1 15 0601

60 460 °C 2.0 min 7-bent 1 15 0453

Replacement soldering tip for 15 0453 1 15 0457

80 480 °C 2.5 min 7-bent 1 15 0602

Replacement soldering tip for 15 0602 1 15 0603

100 500 °C 2.5 min 7-bent 1 15 0456

Replacement soldering tip for 15 0456 + 15 0453 1 15 0457



Tool holder for electrical and gas soldering irons

With tray for cleaning sponge

80 x 110 mm

1 15 0301

Electrical soldering gun

220 Volt, with soldering point light and Euro plug

Watt Soldering tip temp. Approx. heating time

100 400 °C 0.2 min 1 15 0700

Replacement soldering tip 1 15 0702



Gas soldering set

10 pieces, for lighter butane gas. For challenging soldering tasks without obstructive cables in all locations where power supply is not available, e.g. in installation, service and repair areas. Also suitable for heat-shrinking work, micro-welding and the cutting of plastic films and plates thanks to various interchangeable attachments. With electronic ignition, infinitely variable output, temperatures up to 1,300 °C in the event of naked flames, soldering up to 500 °C, heat-shrinking up to 500 °C, burning time approx. 60 min. In handy shock-proof plastic storage and transport case complete with window.

Each set consists of 1:

- Gas soldering iron with protective safety cap and locking device 15 0810

- Pencil tip soldering tip 15 0820

- 3 mm single-sided, diagonal soldering tip (elliptical shape) 15 0821

- 3.5 mm dual-sided, diagonal soldering tip (chisel shape) 15 0822

- Hot knife with 12.5 mm blade width for the cutting and forming of plastic and rigid foams 15 0826

- Heat reflector for heat-shrinking 15 0828

- 3.5 mm ø flame nozzle for micro-welding 15 0824

- 7 mm and 8 mm spanner for soldering tip assembly

- Cleaning sponge in 40 x 40 mm sponge container

- Comprehensive instruction manual

10 pieces gas soldering iron set 275 x 160 x 45 mm 1 15 0800

Gas soldering iron individual device 235 x 27 mm 1 15 0810



Soldering station with infinitely variable control

Primary voltage 230 V, 50/60 Hz, secondary voltage 12 V, safety transformer, LED function display,

soldering iron with separate equipotential bonding and interchangeable soldering tip

Watt Soldering tip temp. Approx. heating time Soldering tip ø mm

30 200 - 450 °C 1.5 min 4 1 15 0730

Replacement soldering iron

Watt Soldering tip temp. Approx. heating time Soldering tip ø mm

30 200 - 450 °C 1.5 min 4 1 15 0732



Cleaning sprays

Plastic cleaner

Cleans and degreases plastics, ideal for the pre-treatment of surfaces when bonding sensitive plastics, rubber or painted surfaces, evaporates without leaving residue.

500 ml 12 15 1138

Cleaner and degreaser

Cleaner and degreaser for all metals, glass and ceramic as well as the majority of plastics. Cleans stubborn dirt such as oil, grease, tar, wax, silicone/adhesive residue from electrical contacts, boilers and burners, brakes, clutches, motors, transmissions, etc. without leaving any residue, degreasing effect.

500 ml 12 15 1150

TFT/LCD screen cleaner

Reliable removal of dirt, dust, grease and nicotine. Leaves behind an anti-static effect in order to provide long-term surface protection against contamination. Also suitable for use on sensitive plastics and glass surfaces.

Application on flat and plasma screens, computers, notebooks.

200 ml 12 15 1151

Multi-foam

The powerful universal cleaner, fully biodegradable. Cleans all metals, glass and plastic parts without leaving residue, eliminates insects, smears, protective films, freshens matt and weathered plastics, prevents rubber seals from bonding and freezing solid, etc.

400 ml 12 15 1152

Technical sprays

AT 44 all-round spray with PTFE

Corrosion protection, cleaning, lubrication, water displacement and conservation in a single product. Displaces moisture on electrical lines, prevents creep currents, loosens seized screws, etc. eliminates squeaking and creaking noises, cleans surfaces. Leaves behind a wafer-thin film that does not stick and does not attract dust.

400 ml 12 15 1000

PTFE spray

A dry, clean, grease-free, highly-adhesive and durable dry lubricant. Repels dirt, dust and water. Resistant to corrosive chemicals and oils. Temperature-resistant from $-180\text{ }^{\circ}\text{C}$ to $+250\text{ }^{\circ}\text{C}$.

400 ml 12 15 1002

Silicone spray

An ideal lubricating, protecting, maintenance and separating agent. Makes the winding of cables easier, protects electric contacts against moisture, protects rubber, plastic and metal parts. Only handle when in a de-energised state.

400 ml 12 15 1004

Rust remover and contact spray

Corrosion protection, cleaning, lubrication, water displacement and conservation in a single product. Removes rust, displaces water from ignition contacts and electrical lines, provides sustainable protection against corrosion and greases sliding surfaces, with good creeping properties. Prevents creep currents, sparks and short circuits.

400 ml 12 15 1040

Freeze spray

For thermal troubleshooting and the quickest functional testing of electrical components, thermostats, ignition- and control units, for the cooling of motor parts and heat-sensitive components (e.g. in order to prevent overheating during soldering) cools locally to $-45\text{ }^{\circ}\text{C}$, suitable for all materials (excluding plastics), highly flammable.

400 ml 12 15 1090

Compressed air spray

Removes dust and loose contamination without residue, thus enabling a dry, contact-free cleaning, even in inaccessible corners and sensitive surfaces when dealing with electronic devices, magnetic heads, cameras, clockwork mechanisms, model-making equipment, measurement technology, etc.

400 ml 12 15 1092



All-round spray

High-performance maintenance and service product for all applications in the fields of industry, trade, household and hobby, acts as corrosion protection on metal parts, as penetrating oil (rust remover, elimination of squeaking and creaking noises), as a water displacing agent, as a lubricant and as a cleaner (including oil, grease, tar and adhesive residue), leaves behind a long-lasting adhesive film that neither smears nor sticks. Ideal application in the field of electrical engineering and electronics as an anti-condensation agent on circuit boards, as a contact spray on generators and solenoid switches.

400 ml	12	15 1120
50 ml	12	15 1122

Smoke detector test spray

Special testing gas for the quick and reliable functional testing of photoelectric (optoelectronic) smoke detectors without complex testing equipment. Tin content sufficient for approx. 150 smoke detector tests.

250 ml	1	15 1126
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Adhesives

Assembly adhesive

For the quick, universal bonding of metals, various plastics, concrete, marble, natural and artificial stone, ceramics, enamel, plaster as well as MDF board, wooden board, chipboard, fibreboard and plasterboard. Thanks to its firm consistency, it is possible to bond cable ducts in areas where drilling is not possible (e.g. on walls and ceilings) without any problems whatsoever. The assembly adhesive is silicone and solvent free and can be coated / painted over ("wet on wet").

white	310 ml	12	15 1154
grey	310 ml	12	15 1156

Epoxy minute adhesive

Transparent 2-component adhesive with extremely good adhesive properties, elastic as well as impact/tension/shock resistant, for all materials.

24 g	12	15 1210
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Fast metal minute adhesive

Steel-filled 2 component epoxy minute adhesive, high impact and tensile strength, temperature resistant from -60 °C to +145 °C.

24 g	12	15 1215
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CIMLOCK screw lock

Premium adhesive and sealant for the securing, fastening and sealing of screws, studs, joint and surface connections. Hardening takes place following metal contact with the air. Medium-strength, for gap bridging 0.05 mm to max. 0.25 mm.

10 ml	12	15 1224
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Universal instant adhesive

Solvent-free and cold-setting cyanoacrylate adhesive that hardens under pressure.

20 g	12	15 1200
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Silicone

1 component adhesive and sealant, bonds to the majority of sub-surfaces such as aluminium, steel, glass, glass fabric, ceramic, plastic, wood and many other materials.

transparent	310 ml	12	15 1260
white	310 ml	12	15 1262
grey	310 ml	12	15 1264

Metal sprays

Zinc spray

Durable, quick-drying cathodic corrosion protection with long-term effect for all metal surfaces, resistant against salt, water and heat up to approx. 500 °C, suitable for the improvement of damaged zinc layers.

400 ml	12	15 1100	
light	400 ml	12	15 1102

Aluminium spray

99.5% pure aluminium, long-term heat resistant protection up to +800 °C, bonds to almost all materials such as steel, non-ferrous metal, wood, cardboard, plastic, ceramic, etc. resistant against weathering.

400 ml	12	15 1110
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Stainless steel spray

Corrosion-resistant and effective surface coating, securely bonds to all metals, glass, wood, stone, cardboard and the majority of plastics.

400 ml	12	15 1114
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WET.PROTECT

Protects against wet and moisture-related short circuits, failure and corrosion, infiltrates the moisture and subsequently forms a permanent protective film, maintains conductivity and increases the service life of the treated parts, can be used as a preventive measure or directly following the effects of moisture as a means of repair. Only handle when in a de-energised state. For use in industry, trade and the domestic household

e.basic	50 ml	1	15 1140
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e.basic	200 ml	1	15 1142
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For use on motorbikes, trikes and mopeds

e.motorbike	50 ml	1	15 1144
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For use on boats and yachts in saltwater environments

e.nautic	50 ml	1	15 1146
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e.nautic	200 ml	1	15 1147
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For use on passenger cars and heavy goods vehicles

e.car	50 ml	1	15 1148
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Note: Due to the limited shelf-life, it is not possible to return the spray and cleaner cans!



Cartridge gun

For all standard cartridges (e.g. silicone), open skeleton structure, soft delivery stroke, extremely long service life, with pressure release and spray nozzle opener

	1	15 1270
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Hot glue gun set

Electronic temperature control, mechanical feed device for glue sticks, approx. melting temperature 120 °C, approx. heating time 7 min., output 25 W, for 11 mm ø glue sticks. Supplied in a practical plastic case complete with 6 glue sticks.

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25 glue sticks	200 mm in length	1	18 1401
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Plaster and assembly cement

Supply to wholesale trade in Germany only in full packaging units (= 1 pallet per article) and from a minimum total delivery amount of 5 t per shipment!

Building and electrician plaster

For the insertion of sockets, filling of holes, for improvement and installation work, dowelling, smoothing and fixing in interior areas. Specially designed for building and electrical work. Also ideally suitable for forming and model-making work. Approx. processing time of 15 to 20 minutes, approx. mixing ratio of 8 l water / 10 kg, approx. storage time of 6 months.

PU = 1 pallet

in paper sack	25 kg	40 sacks	14 0330
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	10 kg	60 sacks	14 0332
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	5 kg	120 sacks	14 0334
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in plastic bucket	10 kg	44 buckets	14 0335
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Fixing plaster

For fixing plasterboard, plaster fibre and plasterboard composite boards on stable and absorbent sub-surfaces. Pre-treat smooth concrete surfaces with Betokontakt and highly absorbent sub-surfaces with primer or absorbent substrates. The guidelines provided by the construction panel manufacturer must be observed. Also suitable for the fixing interior plaster profiles. Approx. processing time of 50 minutes, approx. material consumption of 5 kg / m², approx. storage time of 6 months.

PU = 1 pallet

in paper sack	25 kg	40 sacks	14 0338
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RED-WHITE bonding plaster

Single-layer interior plaster complete with adhesive additives and high yield for manual processing on all common plaster sub-surfaces as well as on rough or smooth concrete surfaces in interior areas including domestic kitchens and bathrooms. A pre-treatment with Betokontakt is essential when dealing with smooth sub-surfaces. Smoothened, felted or can be freely processed. Processing time approx. 100 min (depending on processing conditions), recommended plaster thickness 8 mm, material consumption approx. 5 m² / 25 kg sack for 8 mm plaster thickness, approx. storage time of 6 months.

PU = 1 pallet

in paper sack	25 kg	24 sacks	14 0342
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Assembly cement MZ 1

Quick-hardening cement for attachments, assemblies and repairs. For the dowelling and fastening of consoles, rails, wall hooks, doors, gates, frames, switch boxes and much more. For the sealing of water penetrations in concrete, masonry and pipes. For the improvement of stair steps, screeds, concrete and plaster.

Approx. processing time of 5 - 7 minutes, approx. mixing ratio of 0.15 - 0.2 l water / 1 kg powder, approx. storage time of 12 months.

PU = 1 pallet

in plastic bucket	7 kg	80 buckets	14 0346
	15 kg	44 buckets	14 0348

