

Product data sheet

Accu control unit ABS

Areas of application

The power unit ABS is a lightweight, battery-powered stud welder for capacitor discharge stud welding (welding with tip ignition acc. DIN 4063, number 786) for mobile use.

Through the double welding of **two studs metrics PT M3** simultaneously all different types of calorimeters can be fixed on panel radiators with on the ABS **integrated welding gun KP-8 ABS**.



Technical features

- Compact and robust housing, ideal for mobile use;
- Simple and safe operation;
- Integrated function monitoring in the welding circuit;
- One single cable - so no additional ground cable required;
- Integrated charging state control;
- Automatic switch-off when not using the device;
- milliseconds fast welding of two studs simultaneously to existing flat-radiator installation;
- Retrofitting of calorimeters easily in existing housing - , business- and bath room;
- Highest mechanical safety against falling or slipping;
- Circular level integrated in the welding gun for the horizontal alignment integrated;
- Exact and plane-parallel adjustment of the chucks for exact distance between the two studs to each other;
- gun holder and reel mechanism on the device;
- battery charger with integrated battery indicator;
- protection against harmful spatter on the welding gun.



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Technical data

Studs to use	2 x PT M3 - DIN EN ISO 13918, mild steel oder stainless steel
Capacity	80 mF
Loading voltage	90V ± 2V
Loading time	40 seconds
Loading energy	334 Joule
Welding rate	2 x double weldings per minute (depends on the state of charging)
Accumulator	12V/5Ah
Capacity of accumulator	> 200 double weldings studs M3
Loading time accumulator	9h (complete loading)
Lifetime of accumulator	Min. 250 loading cycles; accumulator excluded from warrenty
Welding-gun	KP-8 ABS, Contact welding gun with integrated micro switch to trigger automatic
Stud spacing welding gun	25mm – 63mm, free adjustable
Length of connection cable	1,5m
Weight gun (with/without cable)	0,9kg / 3,2kg
Measurement gun (LxWxH)	160 x 45 x 130mm
Dimensions (length x width x high, pure Chassis measurements)	334 x 138 x 234mm
Dimensions (length x width x high, over all, incl. connectors)	334 x 187 x 283mm
Weight control unit ABS	8kg
Measurement control unit ABS (LxWxH, without handle)	380 x 135 x 230mm
Protection class control unit ABS	I
Degree of protection regarding DIN 40 050	IP 23
Recharger	230V/AC, 50Hz, 6A

Accessories / part-numbers

Control unit ABS	90-030-5040ST
Welding gun KP-8 ABS	82-055-0014
Recharger	80-062-0005 und 80-062-0006
Chucks	82-055-0003
Connecting nut	80-062-0012