



BMS-10N Stud Welder



The BMS-10N stud welder serves as an energy source for welding different welding elements on metallic workpieces



BMS-10N SOYER stud welder for capacitor discharge welding

Description:

The BMS-10N SOYER stud welder can be used for both mobile and stationary application. It is optimally suitable for being operated with welding guns, welding heads and bench welders with manual or automatic stud feed and allows high-quality stud welded joints to be produced. (For innovative special features, please see over).

Technical data:

Welding range:

M3 - M10 or Ø 3 - 10 mm with steel and stainless steel, M3 - M8 or Ø 3 - 8 mm with aluminium and brass depending on respective requirements

Welding process:

Capacitor discharge process (TS) as per EN ISO 14555 with gap and contact welding

Standard gun:

PS-3 positioning welding gun

Power source:

Capacitor battery

Charging capacity:

88 000 µF (optionally 132 000 µF for M10 steel studs)

Charging voltage:

55 – 200 V, infinitely variable up/down

Welding time:

0.001 - 0.003 seconds

Welding sequence:

up to 20 studs/min, depending on stud diameter

Mains supply:

230 V~, - 50 Hz, 8 A / 115 V~, - 60 Hz, 16 A (internally adjustable)

Welding cable:

3 m highly flexible

Earth cable:

2 x 3 m highly flexible

Dimensions:

430 x 220 x 430 mm (w x h x d)

Weight:

21 kg

Colour:

RAL 5009 azure-blue

Subject to technical changes

Innovative Special Features of the BMS-10N Stud Welder

The BMS-10N SOYER stud welder is a top-quality product in the field of stud welding technology and is exemplary regarding quality, technology, design and safety. Compared with forerunner models, the BMS-10N stud welder has become considerably smaller, lighter, better and more economical. Operation is very simple and the performance values are shown on the precise digital display.

Additional performance features of the BMS-10N stud welder include:

- ▶ Development and production fulfil all prescribed safety targets such as
 - the latest safety and accident prevention regulations (Act on the Safety of Technical Working Equipment)
 - electromagnetic compatibility (EMC Act)
 - European regulations (EU Directives on Machinery)
- ▶ GS/CE/S emblem for verified safety
- ▶ Certificate proof of mentioned safety targets
- ▶ Clearly arranged raised front panel
- ▶ Welding quantity counter
- ▶ Universally applicable for capacitor discharge stud welding
- ▶ Suitable for gap and contact welding
- ▶ Simplest operation by infinitely variable bidirectional regulation of charging voltage
- ▶ Short charging cycles to increase productivity
- ▶ Precise digital display of charging voltage
- ▶ Automatic stabilization of charging voltage
- ▶ Table at the front panel indicating standard values for different stud diameters
- ▶ Monitoring of all functions via clearly visible pilot lamps
- ▶ Self-protection against overstress to guarantee a long service life
- ▶ CNC interface for signal interchange with external controls
- ▶ New "charging control" (patent pending, Pat. No. 199 15 396.5) allowing very high welding sequences during continuous application
- ▶ Automatic module for semi-automatic and fully automatic stud feed (optional equipment)
- ▶ Function tests without welding current for welding guns and heads to adjust the lift (lift test)
- ▶ High capacity reserves in borderline cases and in the case of difficult welding tasks
- ▶ No negative impairment in case of mains voltage fluctuations
- ▶ New abrasionproof, scratch-resistant and antisoiling plastic film coating on the front panel to protect all inscriptions even after many years of use

SOYER top-of-the-range products awarded the following prizes for



Production



Quality



Technology



Design



Quality Management



International Approval



Safety



EC Conformity