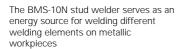


## **BMS-10N Stud Welder**











## BMS-10N SOYER stud welder for capacitor discharge welding

The BMS-10N SOYER stud welder can be used for both mobile and stationary **Description:** 

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:

M3 - M10 or Ø3 - 10 mm with steel and stainless steel, M3 - M8 or Ø3 - 8 mm Welding range:

with aluminium and brass depending on respective requirements

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

weldina

PS-3 positioning welding gun Standard gun:

Capacitor battery Power source:

88 000  $\mu$ F (optionally 132 000  $\mu$ F for M10 steel studs) Charging capacity:

55 – 200 V, infinitely variable up/down Charging voltage:

0.001 - 0.003 seconds Welding time:

up to 20 studs/min, depending on stud diameter Welding sequence:

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

3 m highly flexible Welding cable: 2 x 3 m highly flexible Earth cable:

430 x 220 x 430 mm (w x h x d) **Dimensions:** 

Weight: 21 kg

Colour: RAL 5009 azure-blue Subject to technical changes

**Heinz Soyer** P.T.H. "COMPART" - Z.Dziembowski, 44-121 Gliwice, ul. Sowinskiego 5 (IMN)

Bolzenschweißtechnik GmbH

Tel./Fax 032 - 2 380 680, 2 380 436, e-mail: compart@soyer.info.pl, www.soyer.info.pl

## 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











Management







**FC Conformity**