



BMS-8N Stud Welder



BMS-8N SOYER stud welder with capacitor discharge

Description:

The new BMS-8N SOYER stud welder with microprocessor control is a top-quality product meeting highest requirements due to operating convenience, low weight, high efficiency, compact design and absolute safety. The BMS-8N stud welder is distinguished by its very favourable price/efficiency ratio (for innovative special features, please see over).

Technical Data:

Welding range:

M3 - M8 or \varnothing 3 - 8 mm with steel, stainless steel, aluminium and brass (M8 or \varnothing 8 in aluminium and brass conditionally, depending on the respective requirements)

Welding process:

Capacitor discharge according to DVS leaflet 0903

Standard pistol:

PS-1K positioning welding pistol

Power source:

Capacitor battery

Charging capacity:

66,000 μ F

Charging voltage:

50 - 200 V, infinitely variable up/down

Welding time:

0.001 - 0.003 sec.

Welding sequence:

up to 20 studs/min., depending on stud diameter

Mains supply:

115/230 V - 50/60 Hz - 10 AT (automatic mains voltage change-over)

Welding cable:

3 m highly flexible

Earth cable:

2 x 3 m highly flexible

Dimensions:

300 x 120 x 320 mm (w x h x d)

Weight:

10 kg

Colour:

RAL 5009 azure

Subject to technical changes

Innovative Special Features of the BMS-8N Stud Welder

The BMS-8N SOYER stud welder is a new high-quality product in the field of stud welding technology guaranteeing first-class welding results when being used with the PS-1K standard welding pistol. The BMS-8N stud welder is exemplary regarding quality, technology, design and safety.

Additional performance features of the BMS-8N stud welder are:

- ▶ 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
- ▶ Self-monitoring of all important functions
- ▶ Self-protection against overstress to guarantee a long service life
- ▶ Universally applicable for capacitor discharge stud welding
- ▶ Suitable for gap and contact welding
- ▶ Connection to stationary SK-1K SOYER stud welding head with pedestal device
- ▶ Simplest operation due to infinitely bidirectional regulation of charging voltage by means of keys. The charging voltage is stored automatically
- ▶ Short charging cycles to increase productivity
- ▶ New "charging control" (patent pending, Pat. No. 199 15 396.5) allowing very high welding sequences during continuous application
- ▶ Precise digital display of charging voltage
- ▶ Table indicating standard values for different stud diameters at the front panel
- ▶ Monitoring of all functions by clearly arranged display panel
- ▶ Mobile and stationary application in horizontal or vertical position
- ▶ High capacity reserves in borderline cases and in the case of difficult welding tasks
- ▶ Automatic mains voltage change-over from 115 VAC/ 230 VAC + 10% - 15 %
- ▶ Transportable with all accessories in the GK-2 SOYER case (optional equipment) owing to its ideal geometry and light-weight construction
- ▶ No negative impairment in case of mains voltage fluctuations
- ▶ New scratch- and abrasion-proof as well as dirt-resistant plastic film coating on the front panel to protect all inscriptions even after many years of use

SOYER quality products awarded the following prizes for



Production



Quality



Technology



Design



Quality Management



Environmental Management



Safety



EC Conformity