

## BMS-4 Akkumat Stud Welder



### **BMS-4 Akkumat SOYER stud welder for capacitor discharge welding and PS-0DV double welding gun with a concentrated amount of energy**

#### **Description:**

The BMS-4 Akkumat stud welder allows two M3 studs to be simultaneously welded without earth connection and is specifically used for attaching heating cost meters and suchlike. It is possible to variably adjust stud distances. The BMS-4 Akkumat stud welder is suitable for mobile application and enables you to carry out welding operations without using a mains cable. An external 12 V battery charger required for charging the battery is included in delivery. (For innovative special features, please see over).

#### **Technical data:**

<b>Welding range:</b>	2 x M3, steel and stainless steel
<b>Standard gun:</b>	PS-0DV double welding gun, adjustable
<b>Power source:</b>	Capacitor 44,000 $\mu$ F
<b>Charging voltage:</b>	110 V
<b>Charging time of capacitor:</b>	approx. 20 seconds
<b>Welding sequence:</b>	3 double welds per minute
<b>Battery:</b>	12 V - 4 Ah
<b>Battery capacity:</b>	200 M3 double welds at 20° C ambient temperature
<b>Battery life:</b>	at least 300 charging cycles
<b>Dimensions:</b>	230 x 95 x 295 mm (w x h x d)
<b>Weight:</b>	7 kg including battery and gun
<b>External battery charger:</b>	Connection 100 - 240 V, 50 - 60 Hz Subject to technical changes

## Innovative Special Features of the BMS-4 Akkumat Stud Welder

The BMS-4 Akkumat SOYER stud welder is a brand-new development in double stud welding especially made for attaching heating cost meters to metallic steel panel radiators. This easy-to-use stud welder offers a maximum of technical performance features for the production of high-quality stud welded joints.

Additional performance features of the BMS-4 Akkumat stud welder include:

- ▶ Development and production fulfil all prescribe 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 marks for verified safety
- ▶ Certificate proof of mentioned safety targets
- ▶ Optimum application for battery operation with maximum utilization of accumulator
- ▶ Simultaneous welding of two studs without earth connection
- ▶ Functional flows and work flows are carried out with processor guided artificial intelligence
- ▶ An automatic system test is carried out every time the stud welder is turned on
- ▶ Self-monitoring of all important functions
- ▶ Special battery charging control for preserving the maximum battery capacity
- ▶ Deep-discharging protection
- ▶ Quick-change system for battery
- ▶ Display of the current charge
- ▶ Operation via one key button only, avoiding mal-operation
- ▶ Automatic standby mode and automatic switchoff
- ▶ Compact, small and very light-weight style
- ▶ Only one highly flexible connecting cable to the PS-0DV double welding gun
- ▶ Simple and quick adjustability of double welding head from 20 - 60 mm
- ▶ Anti-spatter protection, sound insulation and arc shielding due to geometrically adapted moulded rubber parts at the double welding head
- ▶ For easy transport a synthetic case is optionally available for storing the complete welding equipment

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



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity