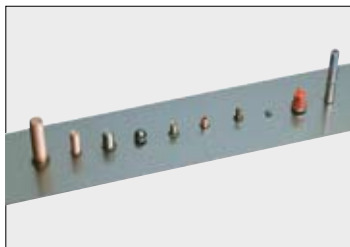


BMK-16 Stud Welder



The PH-2L is the standard gun for the BMK-16 stud welder.



BMK-16 SOYER stud welder with integrated quality control for drawn arc and short-cycle drawn arc welding

Description:

The BMK-16 stud welder is operated via a membrane keyboard and display with fixed programs for each stud diameter. The input of the welding parameters is variable. Special programs may be stored. The welding parameters are printable via external software. (For innovative special features, please see over)

Technical data:

Welding range:

M3 - MR16 and/or \varnothing 2 - 13 mm

Material:

Steel, stainless steel and heat-resistant steel
(brass and aluminium conditionally, depending on the respective requirements)

Standard gun:

PH-2L positioning welding gun

Welding current:

500 - 1,000 A, adjustable and regulated

Welding time:

5 - 1,000 ms

Welding sequence:

up to 30 studs/min, depending on stud diameter
30 programs internally or externally selectable

Mains supply:

3 x 380 V - 50 Hz - 32 AT

Dimensions:

400 x 250 x 520 mm (w x h x d)

Weight:

68 kg

Subject to technical changes

Innovative Special Features of the BMK-16 Stud Welder

The new BMK-16 SOYER stud welder with its numerous integrated innovative features is the international yardstick for quality, technology, design and safety.

Together with easy operation, the standard BMK-16 stud welder offers a maximum of technical performance advantages for the production of high-quality stud welded joints.

Additional performance features of the BMK-16 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 sign for verified safety
- ▶ Certificate proof of mentioned safety targets
- ▶ Ideal welding parameters are automatically adjusted by entering the stud diameter
- ▶ Operation via processor-controlled conversational electronics with membrane keyboard and display
- ▶ Individual and easy programmability for difficult welding tasks
- ▶ Each operating step is automatically prescribed
- ▶ Interface for signal interchange with other controls, optical and acoustic signal transmitters
- ▶ Control system for stationary welding heads on robots, CNC machines etc.
- ▶ Optional automatic module for semi- and fully automatic stud feed
- ▶ Function tests without welding current for welding guns and welding heads to adjust the lift (lift test)
- ▶ Integrated protective gas operating facilities
- ▶ Measurement of drop time and running time of welding guns and welding heads displayed in milliseconds
- ▶ Gas and preweld current test without welding current
- ▶ Preweld current time, welding current time, shielding gas pre-flow and post-flow time are adjustable
- ▶ Constant current controller (current fluctuation control)
- ▶ Infinite welding current adjustment
- ▶ LED display panel with control function of all operational states
- ▶ Welding counter
- ▶ Reproducibility of the welded joint and quality assurance in compliance with DIN EN ISO 9000 ff
- ▶ Integrated self-protecting device in case of excess temperature or excessive welding sequence
- ▶ Phase failure control
- ▶ Quality control monitoring process with logging via external software (optional equipment)
- ▶ Multilingual operator guidance
- ▶ 30 selectable programs (13 fixed programs, 17 free programs)
- ▶ New abrasionproof, scratch-resistant and antisoiling plastic film coating on the front panel to protect all inscriptions even after many years of use
- ▶ Operating range with short-cycle drawn arc welding: M3 - M10 and/or Ø 2 - 10 mm
- ▶ Operating range with shielding gas operation: M3 - M12 and/or Ø 2 - 12 mm
- ▶ Operating range with drawn arc welding: M3 - MR16 and/or Ø 2 - 13 mm

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



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity