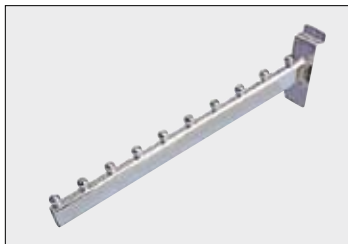


BMK-8U Stud Welder



The PH-3N welding gun is the standard gun for the BMK-8U stud welder.



BMK-8U SOYER stud welder for short-cycle drawn arc stud welding

Description:

The new BMK-8U stud welder offers a high level of technical convenience due to the adjustability of important welding parameters and operator guidance via membrane keyboard with digital display. (For innovative special features, please see over.)

Technical data:

Welding range:

M3 - M10 RD or 2 - 9 mm in diameter

Material:

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

Standard gun:

PH-3N positioning welding gun

Welding current:

600 A

Welding time:

1 - 1000 ms

Welding sequence:

15 - 30 studs/min with M3, up to 3 studs/min with M10 RD

Mains supply:

CEE 16 A (3P + protective earth conductor) 3 x 400 V 50/60 Hz, 3 x 230, 3 x 440 or 3 x 500 V 50/60 Hz possible

Dimensions:

360 x 325 x 500 (w x h x d)

Weight:

41 kg

Integrated inert gas operation mode and option for semi-automatic and fully automatic stud feed

Technical specifications are subject to change without notice

Innovative Special Features of the BMK-8U Stud Welder

The new BMK-8U SOYER stud welder with outstanding quality and performance features represents the current and future state of stud welding technology. The all-digital stud welder with computer intelligence guarantees absolutely uniform and reproducible functional sequences for optimum welding results. The modular construction (modular design principle) in useful and easy-to-service compact housing, the modern design and trend-setting technology provide the SOYER stud welder with its unique appearance. The BMK-8U stud welder is universally applicable and combines three different stud welding methods in a rugged compact housing.

■ Drawn arc stud welding

■ Stud welding with protective gas

■ Short-cycle drawn arc stud welding

Additional performance features of the BMK-8U 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 Directive on Machinery)
- ▶ Certificate proof of mentioned safety targets
- ▶ Extremely simple operator guidance via sophisticated membrane keyboard with clear symbols for all necessary parameter inputs
- ▶ GS mark, CE mark and safety mark for verified safety
- ▶ Shielding gas pre-flow time variably adjustable
- ▶ Preweld current time variably adjustable
- ▶ Welding time variably adjustable
- ▶ Integrated inert gas operation mode
- ▶ Easy to carry and ideal for mobile application
- ▶ Optional simple and low-cost retrofitting possibility with an automatic module for semi-automatic and fully automatic stud feed
- ▶ Interface for signal interchange with other external control systems
- ▶ LED display panel with control function of all operational states
- ▶ Self-protecting device in case of excess temperature or excessive welding sequence
- ▶ Computer check on operability and simulated program run of all setting parameters on stud welder and gun without welding current
- ▶ New abrasionproof, scratch-resistant and anti-soiling plastic film coating on the front panel to protect all inscriptions even after many years of use
- ▶ Table at the front panel showing standard values for all common stud types and diameters
- ▶ Operating range with short-cycle drawn arc welding: M3 - M10 RD or 2 - 9 mm in diameter
- ▶ Operating range with inert gas operation: M3 - M10 RD or 2 - 9 mm in diameter
- ▶ Operating range with drawn arc welding: M3 - M10 RD or 2 - 9 mm in diameter

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



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity