

Product information
Short-cycle drawn arc stud welding



NEW EXHIBITION ITEM BMK-12W Stud Welder



The PH-3N welding gun is the standard gun for the BMK-12W stud welder.



BMK-12W SOYER stud welder for drawn arc and short-cycle drawn arc welding

Description:

The high technical comfort of the BMK-12W stud welder is due to the adjustability of important welding parameters. It is operated via membrane keyboard and display. (For innovative special features, please see over).

Technical data:

Welding range:

M3 - M12 and/or \varnothing 2 - 11 mm

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:

800 A

Welding time:

10 - 1,000 ms

Welding sequence:

Up to 30 studs/min, depending on stud diameter

Mains supply:

3 x 400 V - 50/60 Hz - 32 AT, other voltage on request

Dimensions:

350 x 250 x 450 mm (w x h x d)

Weight:

43 kg

Integrated protective gas operating facilities and optional equipment for semi- and fully automatic stud feed

Subject to technical alterations

Innovative Special Features of the BMK-12W Stud Welder

The BMK-12W 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 in useful and easy-to-service compact housing, the modern design and progressive technology provide the SOYER stud welder with its unique appearance. The BMK-12W stud welder is universally applicable and combines 3 different stud welding methods in one compact housing.

■ Drawn arc stud welding

■ Stud welding with protective gas

■ Short-cycle drawn arc stud welding

Additional performance features of the BMK-12W stud welder:

- ▶ 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 (EC Directives on Machinery)
- ▶ Certificate proof of mentioned safety targets
- ▶ Easy operation via up-to-date membrane keyboard with clear symbols for all necessary parameter inputs
- ▶ GS/CE/S sign for verified safety
- ▶ Shielding gas pre-flow time variably adjustable
- ▶ Preweld current time variably adjustable
- ▶ Welding time variably adjustable
- ▶ Integrated gas operating facilities
- ▶ Easy to carry and ideal for mobile application
- ▶ Simple and low-cost retrofitting possibility with an automatic module for semi- and fully automatic stud feed (optional)
- ▶ Interface for signal interchange with other controls
- ▶ LED display panel with control function of all operational states
- ▶ Integrated 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 antisoiling plastic film coating on the front panel to protect all inscriptions even after many years of use
- ▶ Table on the front panel indicating standard values for all common stud types and diameters
- ▶ Operating range with short-cycle drawn arc welding: M3 - M10 or Ø 2 - 10 mm
- ▶ Operating range with shielding gas operation: M3 - M12 or Ø 2 - 11 mm
- ▶ Operating range with drawn arc welding: M3 - M12 or Ø 2 - 11 mm

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



Production



Quality



Technology



Design



Quality Management



Environmental Management



Safety



EC Conformity