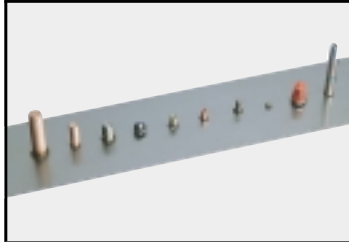




## BMK-16W Stud Welder



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



### BMK-16W SOYER stud welder for drawn arc and short-cycle drawn arc welding

#### Description:

The new BMK-16W stud welder has a compact and portable design. One of the remarkable features of this stud welder is its high technical performance. The adjustability of all important welding parameters allows an optimal technical comfort. It is operated via membrane keyboard and display (for innovative special features, please see over).

#### Technical data:

##### Welding range:

M3 - MR16 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-3N positioning welding gun

##### Welding current:

300 - 1 000 A, adjustable and regulated

##### Welding time:

10 - 1 000 ms

##### Welding sequence:

Up to 30 studs/min, depending on stud diameter

##### Mains supply:

3 x 380 V - 50 Hz - 32 AT

##### Dimensions:

400 x 260 x 560 mm (width x height x depth, without handles)

##### Weight:

68 kg

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

Subject to technical changes

# Innovative Special Features of the BMK-16W Stud Welder

The BMK-16W 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-16W 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-16W 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 (EC Directives on Machinery)
- ▶ GS/CE/S emblem for verified safety
- ▶ Certificate proof of mentioned safety targets
- ▶ Simplest operator guidance via processor-controlled electronic dialogue with membrane keyboard and display
- ▶ Multilingual operator guidance
- ▶ Welding current steplessly adjustable
- ▶ Preweld current time variably adjustable
- ▶ Welding time variably adjustable
- ▶ Integrated gas operating facilities
- ▶ Interface for signal interchange with other controls
- ▶ Optional simple and low-cost retrofitting possibility with an automatic module for semi- and fully automatic stud feed
- ▶ Measurement of drop and running time of welding guns and heads displayed in milliseconds on the display
- ▶ Constant current controller (current fluctuation control)
- ▶ LED display panel with control function of all operating states
- ▶ Welding counter
- ▶ Integrated self-protecting device in case of excess temperature or excessive welding sequence
- ▶ Gas and preweld current test without welding current
- ▶ Function tests without welding current for welding guns and heads to adjust the lift (lift test)
- ▶ Phase failure control
- ▶ New abrasionproof, scratch-resistant and antisoiling 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 from M3 - M10 or Ø 2 - 10 mm
- ▶ Operating range with shielding gas from M3 - M12 or Ø 2 - 12 mm
- ▶ Operating range with drawn arc from MR3 - MR16 or Ø 2 - 13 mm

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



Production



Quality



Technology



Design



Quality Management



Environmental Management



Safety



EC Conformity