

DEUTROFLUX Memory II, Order-No. 3871.001



Fig. 1: DEUTROFLUX UWE 900 with parameter storage and testing documentation.

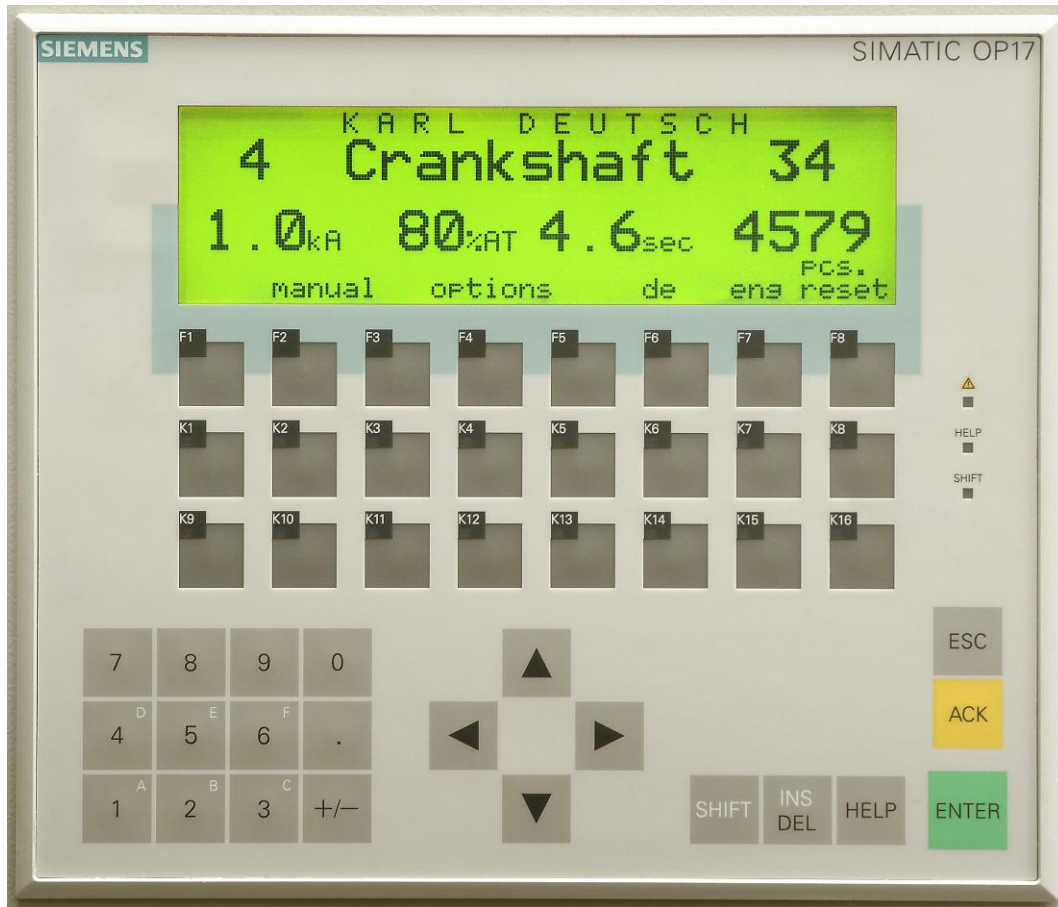
Standard configuration:

- All inputs and display are controlled by a text screen.
- Plain text for automatic mode and choice of products.
- The parameters can be adjusted and are then controlled automatically.
- Hand-operation mode for the testing of single parts and for service.
- Parameter settings for current magnetization, field magnetization and cycle times are simply adjusted by the +/- buttons.
- Input of the product name is possible with letters and numbers.
- Protection of the settings by a key switch.
- Disturbance indication and magnetization control will be written in plain text.
- Quantity documentation of the tested work pieces and data reset for the counter is part of the operator panel program.

Options:

- Use of external Printer for the real test-values of every work piece, parameter documentation and the shift work protocol.
- Adjustable pulse magnetization for critical parts.

Basic screen



In the basic screen the following settings are visible:

- The actual product. The text (here: Crankshaft 34) is freely editable.
- Default settings of current and field magnetization (here: 1,0 kA and 80% AW).
- Quantity of the tested work pieces (here: consecutive number 4579).
- Choice of manual mode: Change from automatic mode to a free adjustable mode; e.g. for single parts (see manual mode next side).
- Choice of product name for automatic mode (here: Parameter Set 4 for the product with the name „Crankshaft 34“).
- Testing period (here: 4,6 sec.)

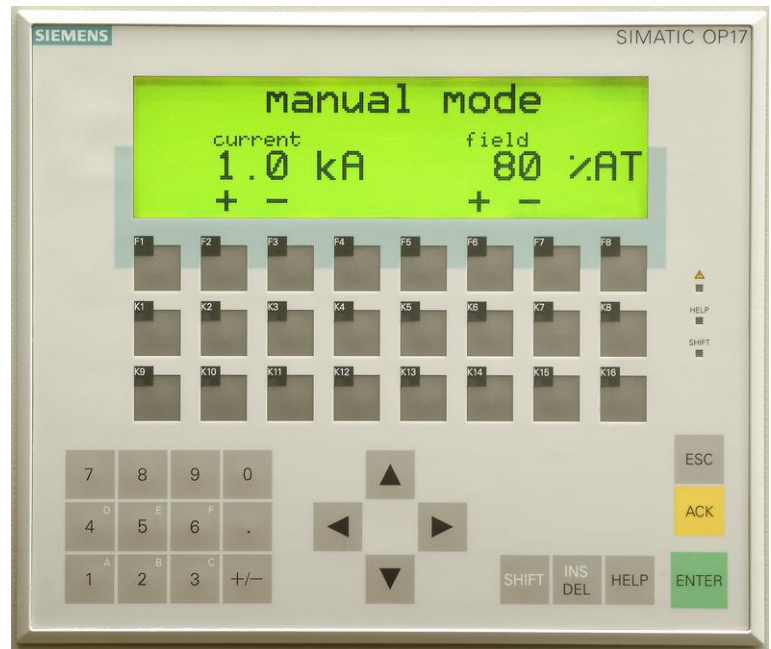
Optional:

- Counting of test disturbances
- Monitor of quantity for every kind of product
- Statistic for every shift
- More possibilities after reconsulting.

Manual mode

Settings for current and field magnetization:

- Separate settings for current and field strength by the +/- buttons.
- These settings will be regulated and controlled by the electronic.
- The testing phase will be started by a start button or a foot switch.



Settings of the magnetization period:

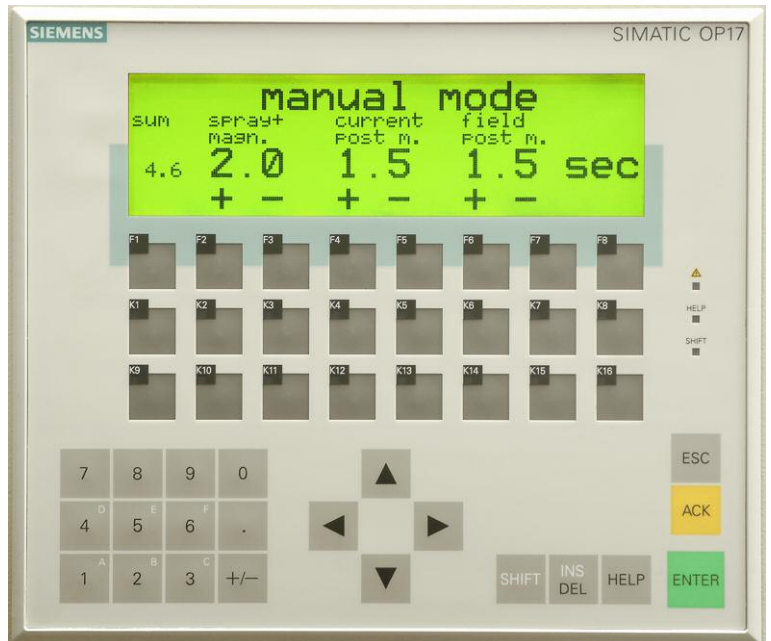
- Separate settings for the magnetization period and the post-magnetization period by the +/- buttons (here: 2,0 sec. and 1,5 sec.).

More possible settings (not shown here):

- Magnetization delay (here: 0,1 sec.)
- Separate settings of post-magnetization, concerning current and field magnetization (here: 1,5 sec.)
- Demagnetization: Duration and starting field strength of the field reduction.

Service functions for:

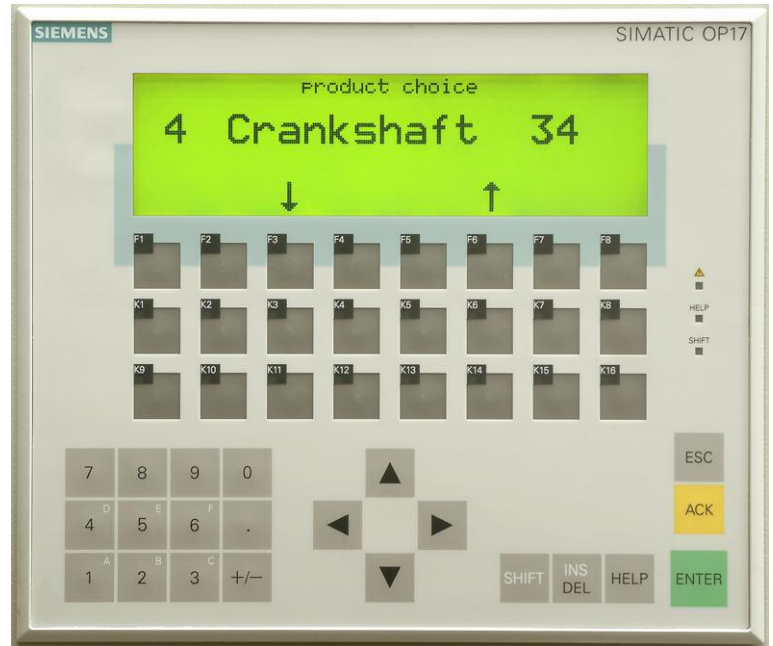
- Current and field magnetization
- Spraying
- Pneumatic clamping



Automatic mode

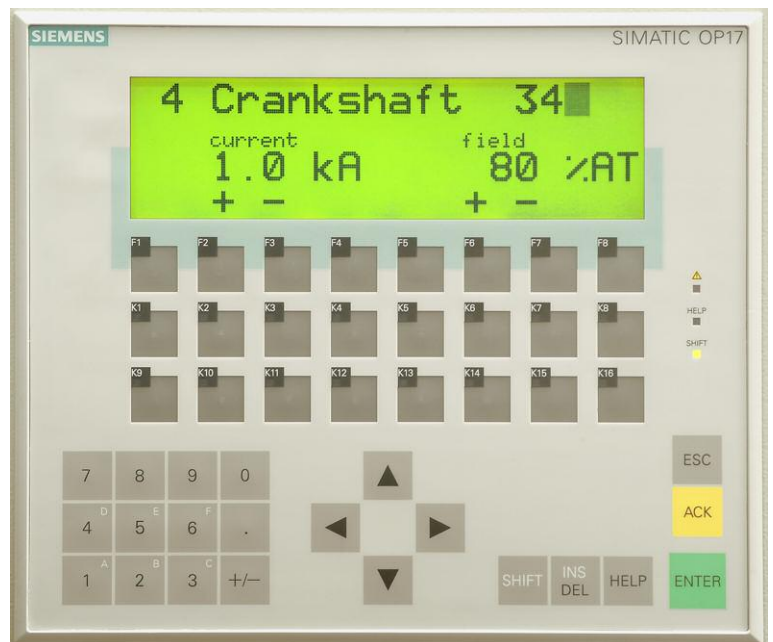
Choice of product:

- Choice of the product in automatic mode by the $\uparrow\downarrow$ buttons.
- The product parameters are valid at once.
- Change of parameters is only possible by a key switch.



Settings of the parameters for the automatic mode (with help of the key switch):

- Definition of product parameters (see manual mode).
- Change of settings like in manual mode.
- Product name in plain text (here: Crankshaft 34).



Accessories:

- Printer for print out of the real values for every work piece, the parameter documentation and the shift work protocol.
- Change of the protocol layout according to customer specifications.

