



Ferrotest 10



Ferrotest 20



Ferrotest 40



Ferrotest 60



The **Ferrotest** mobile power packs provide maximum **AC** magnetizing currents from 1000 Amps (Ferrotest 10) up to 7100 Amps (Ferrotest 100). The test currents are indicated in effective values by a digital display and are infinitely adjustable.

**Further power packs are available on request.**



# Ferrotest

## Mobile crack detection units

The high current power packs of the **Ferrotest** series provide **AC** only for testing. The test currents are indicated in effective values by a digital display, and are finitely adjustable.

| Technical Data   |                 | Ferrotest 10 | Ferrotest 20 | Ferrotest 40       | Ferrotest 60       | Ferrotest 100      |
|--|-----------------|--------------|--------------|--------------------|--------------------|--------------------|
| in compliance with EN ISO 9934-3 / DGZfP guideline EM-0                                |                 |              |              |                    |                    |                    |
| Ref.-No.   |                 | 061140       | 061280       | 061400             | 061600             | 061900             |
| <b>AC</b>  |                 |              |              |                    |                    |                    |
| Max. test current measured with high current cables, external                          |                 |              |              |                    |                    |                    |
| Effective  | A               | 1000         | 2000         | 2800               | 4200               | 7100               |
| Peak   | A               | 1400         | 2800         | 4000               | 6000               | 10000              |
| Relative duty cycle  | %               | 30           | 30           | 30                 | 30                 | 30                 |
| Open circuit voltage max.  | V               | 3,2          | 4,85         | 8                  | 10,5               | 22                 |
| Control voltage  | V               | 12           | 12           | 12                 | 12                 | 12                 |
| <b>Operating data</b>  |                 |              |              |                    |                    |                    |
| Mains connection   | V               | 230          | 400          | 400                | 400                | 400                |
| Frequency  | Hz              | 50           | 50           | 50                 | 50                 | 50                 |
| Power consumption  | kVA             | 3            | 12           | 23                 | 50                 | 155                |
| Short circuit current approx.  | A               | 2875         | 9412         | 7320               | 12490              | 12000              |
| Recommended quantity and length of high current cable (not included in delivery scope) |                 |              |              |                    |                    |                    |
|  | m               | 2 x 2,5      | 4 x 2,5      | 4 x 2,5            | 8 x 3              | 8 x 3              |
| High current cable cross section   | mm <sup>2</sup> | 70           | 70           | 95                 | 95                 | 95                 |
| Test current adjustment  |                 | infinitely   | infinitely   | infinitely         | infinitely         | infinitely         |
| Constant current control   |                 | x            | x            | x                  | x                  | x                  |
| Current indication   |                 | digital      | digital      | digital            | digital            | digital            |
| <b>Dimensions</b>  |                 |              |              |                    |                    |                    |
| Width  | mm              | 290          | 290          | (incl. wheels) 615 | (incl. wheels) 700 | (incl. wheels) 930 |
| Height with handle   | mm              | 335          | 335          | 970                | 910                | 1100               |
| Depth  | mm              | 325          | 445          | 450                | 1200               | 1690               |
| Weight without current cables  | kg              | 17           | 32           | 124                | 174                | 500                |

All **Ferrotest units** are provided with following built-in standard functions:

- Constant current magnetization
- Impulse current magnetization
- Demagnetization

### Constant current magnetization

Constant current is initiated after actuating a foot or hand switch. An electronic system regulates the test current from 0 to maximum in approx. 200 ms, which avoids unnecessary peak loading of the mains supply.

### Impulse magnetization

If the impulse operation is selected a sequence of single impulses is produced according to a factory - set on/off duty cycle of (1 s/1 s).

### Demagnetization

After preselection of the demagnetization the test current is regulated from the set maximum value to 0 in approx 600 ms.



These details are subject to technical innovations and modifications at any time.