



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.**

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 and DGZfP guideline EM-0						
Ref.-No.		061140	061280	061400	061600	061900
<b>AC</b>						
Max. test current measured with high current cables, external circuit 5 metres						
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
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

ITW Tiede reserves the right to change at any time, without notice, the appearance or specification for product improvement or technical advancement.

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.

