

# Isotest

## Mobile Crack Detection Units

Isotest mobile power packs are designed for constant or impulse current magnetisation and are suitable for magnetising parts either with AC or full-wave DC.

They are ideal for use in harsh conditions where the highest reliability is essential, for example, the automotive and aeronautical industries, foundries, forging shops, steel production and processing.

A wide variety of high-current cables, coils and contacting options gives you maximum mobility and flexibility on-site. Additional power packs are also available on request.

### FEATURES

- Constant current control and optional current flow detection system for maximum testing safety
- Multi-stage, low-frequency demagnetisation system
- Switching from AC to DC is done using a motorised pole reversing switch.

The Isotest range consists of:

- 60 E for test currents up to 6,000 A DC
- 100 E for test currents up to 10,000 A DC



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## PRODUCT FEATURES AND PART NUMBERS

	<b>Isotest 60 E</b>	<b>Isotest 100 E</b>
<b>Part number</b>	065610	065910
<b>Effective AC*</b>	4200 A	5600 A
<b>Peak AC*</b>	6000 A	8000 A
<b>Absolute duty cycle at 100% operating current</b>	max. 30 s at 120 s break	max. 30 s at 120 s break
<b>Open circuit voltage max.</b>	15 V AC / 20 V DC	22 V AC / 30 V DC
<b>Effective full-wave DC* (5% ripple)</b>	6000 A	10,000 A
<b>Control voltage</b>	24 V DC	24 V DC
<b>Mains connection</b>	3 x 400 V	3 x 400 V
<b>Frequency</b>	50 Hz	50 Hz
<b>Power consumption</b>	105 kVA	295 kVA
<b>Recommended quantity and length of high current cable**</b>	8 x 4.5 m	8 x 4.5 m
<b>High current cable cross section</b>	150 mm <sup>2</sup>	150 mm <sup>2</sup>
<b>Test current adjustment</b>	infinite	infinite
<b>Constant current control</b>	yes	yes
<b>Current indication</b>	digital	digital
<b>Width x depth x height</b>	1760 x 910 x 1725 mm	1760 x 910 x 1725 mm
<b>Weight without current cables</b>	790 kg	1000kg

\*maximum test current cable equivalent circuit 9 m

\*\* not included in delivery scope