5287

Current Booster

Datasheet



HAEFELY

Current and voltage – our passion

Designed by Tettex

General Description

The type 5287 extends the performance of the C-tan δ field test sets and MIDAS 2880 and MIDAS 2881.

It adds an additional high current power supply and nominal capacitor for on-site transformer short circuit impedance measurement.

The system is designed for on-site inductance testing, especially for short-circuit impedance testing at power transformers.

The short circuit impedance of a winding is tested with the opposite (secondary) winding shorted.

The requirement for the high current power supply and high accuracy measuring device is met with the 5287 in combination with MIDAS 2880 or MIDAS 2881.

The current output is automatically interrupted when the current booster is overloaded. The interrupt is indicated at the front panel. After sufficient cooling of the power supply the system turns back into normal operating mode. The test complies with IEC 60076-5.

Features	Advantages
▪ Portable	☑ Convenient in on-site transport and measurement
▪ Compact design	☑ Space saving
▪ Overload protection	☑ Ensures safe operation

Applications

Used for on-site inductance testing such as:

- Short-circuit impedance testing of power transformers

Scope of Supply

- 5287 Current Booster including cables
- Operating Manual.



Technical Data

Measurement	
Nominal Current Output	0 … 10 A
Max. Current Output	15 A for 5 min
Voltage Output	0 … 11 V or 0 … 110 V
Standard C	approx. 100 nF

Mechanical	
Dimensions (W x D x H)	255 x 255 x 300 mm (10 x 10 x 11.8 in)
Weight	21 kg (46 lb)

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V2020.05

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