

S100

Automatic Current Source



Automatic Current Source S100 is used to supply measuring circuit with AC power during calibration of Current Transformers with rated primary current from 0,5 to 5000 A

FEATURES AND BENEFITS

- Testing of Current Transformers with rated primary current up to 5000 A
- Complete set of cables included for both laboratory and field measurements
- High specified current setting speed
- Possibility of using with automated Current Transformers calibration systems
- Small size and low weight of the current source units

APPLICATIONS

The Automatic Current Source S100 can only be used as a part of Current Transformer Test System **MS100**. **MS100** with **S100** is used by:

- Manufacturer of Current Transformers
- On-site testing of Current Transformers
- Calibration laboratories
- Metrology institutes

EQUIPMENT SET

S100SU		Switching Unit
S100PT1 S100PT2 S100PT3		Power Transformers

TECHNICAL SPECIFICATION

AC current adjustment range, A	Power transformers connected to the Switching Unit
From 0,005 to 45 (max 40 V)	S100PT3 Power Transformer
From 0,05 to 900 (max 5 V)	S100PT3 Power Transformer
From 0,05 to 3000 (max 1 V)	S100PT1 Power Transformer
From 0,1 to 6000 (max 2 V)	S100PT1 Power Transformer + S100PT2 Power Transformer
Power mains	
Rated voltage	220/230 V
Rated frequency	50 Hz
Operating temperature	0...40 °C
Relative humidity	up to 80 % non-condensing
Size (W × H × D)	
S100SU	470 × 180 × 480 mm
S100PT1	170 × 355 × 230 mm
S100PT2	170 × 355 × 230 mm
S100PT3	365 × 285 × 295 mm
Weight	
S100SU	27 kg
S100PT1	17 kg
S100PT2	17 kg
S100PT3	29 kg

ORDERING INFORMATION

Scope of supply

The following items are supplied with the standard S100 modification:

No	Item	Part no.	
1	S100SU Switching Unit	468349.039	
2	S100PT1 Power Transformer	671221.004	
3	S100PT2 Power Transformer	671221.005	
4	S100PT3 Power Transformer	671221.006-03	
5	Heavy current connector cable 3000 A; 2,5 m (2 pcs.)	685618.001	
6	Heavy current connector cable 900 A; 1 m (3 pcs.)	685616.010	
7	IPC 3600 Interconnect power cable (3 pcs.)	686694.001	
8	PC3600 Power cord	685616.005	
9	Mini USB B - USB A Cable	—	
10	Passport	411640.019 P	
11	Package bags (5 pcs.)		
Additional order			
12	S100A1.1 FS Switching Unit (FS measurement function)	468349.041	

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Development and production
of measurement devices

POSTAL ADDRESS

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