

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 CT with rated primary current up to 5000 A
- Full kit of cables needed for laboratory or field measurement
- High specified current setting speed
- Possibility of using with automated CT calibration systems
- Small size and low weight of the current source units

APPLICATIONS

The Automatic Current Source S100 can only be used as 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 KIT

S100SU	Switching Unit
S100PT1	Power Transformers
S100PT2	
S100PT3	

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 °C...40 °C
Relative humidity	up to 80 % non-condensing

Size:

S100SU	480 × 260 × 180 mm
S100PT1	300 × 300 × 165 mm
S100PT2	300 × 300 × 165 mm
S100PT3	352 × 210 × 188 mm

Weight:

S100SU	27 kg
S100PT1	17 kg
S100PT2	17 kg
S100PT3	29 kg







Standards

Safety	EN 61010-1:2010
EMC	EN 61326-1:2013

ORDERING INFORMATION

Scope of supply

The following items are supplied with the standard S100 modification:

No	Item Name	Part no.	
1	S100SU Switching Unit	468349.010	
2	S100PT1 Power Transformer	671221.004	
3	S100PT2 Power Transformer	671221.005	
4	S100PT3 Power Transformer	671221.006	
5	Heavy current connector cable 3000 A; 2,5 m (2 pcs.)		
6	Heavy current connector cable 720 A; 1 m (3 pcs.)	685616.001	
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	

OLTEST LLC

Development and production
of measurement devices

POSTAL ADDRESS

OLTEST LLC, PO box 33,
Kyiv, 04128, Ukraine

TEL and E-MAIL

+38 044 537-08-01
market@oltest.ua