

GTS-300

Safety Ground & Ground Grid Test Set



- Fast setup
- No specialized training required
- Digital instrumentation

DESCRIPTION

The GTS-300 is a two-piece test set designed to ensure the integrity of grounding systems and to test personal safety grounds. The high-current method of testing ground grid continuity and connections is a reliable, accurate method of detecting faults in the ground system.

APPLICATIONS

Testing of a ground grid consists of passing 300 amperes ac through the grid, for a specified time, between a reference ground (usually a transformer neutral) and the ground to be tested. The voltage drop and the magnitude and direction of the current are monitored to verify the integrity of the ground connection.

Another application for Model GTS-300 is the testing of safety ground clamps, ferrules and cables. Testing these devices requires continuous current at the rating of the particular device. Model GTS-300 can test devices that require up to 300 amperes continuous current.

FEATURES AND BENEFITS

- Fast setup
- No specialized training required
- Digital instrumentation
- Rugged aluminum case for tough field use
- Adjustable automatic test timer

SPECIFICATIONS

Input

240 Vac $\pm 10\%$, 50/60 Hz, 1f, 10.5 kVA

Output

0 to 300 A ac continuous

0 to 600 A ac with 30% duty cycle (10 min on, 20 min off)

10.5 kVa max.

Metering

Ammeter: 0.56-in. (15-mm) 3-digit LED display

Voltmeter: 0.56-in. (15-mm) 3-digit LED display

Metering Accuracy: $\pm 1\%$

Test Timer

Adjustable from 1 to 10 min

Dimensions

Upper Unit

18 H x 30 W x 19.5 D in.

(457 H x 762 W x 495 D mm)

Lower Unit

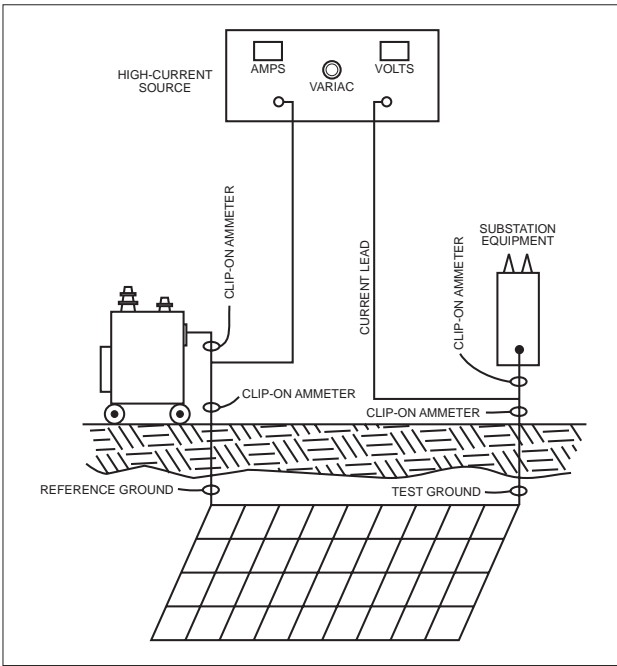
15.5 H x 30 W x 19.5 D in.

(394 H x 762 W x 495 D mm)

Weight

Upper Unit: 226 lb (102.6 kg)

Lower Unit: 206 lb (93.5 kg)



Basic Connection Diagram

ORDERING INFORMATION

Item (Qty)	Cat. No.
Model GTS-300	GTS-300-230
Included Accessories	
High-current leads	
2/0, 10 ft [3.0 m] (2)	5086806401
2/0, 50 ft [15.1 m] (1)	5086806402
2/0, 100 ft [30.3 m] (1)	5086806403
Input power connector (1)	0960904600
Cables	
Ground cable (1)	15360
Interconnect cable (1)	5086404400
High-current interconnect cable (2)	51529
Fuses	
60 A, 600 V, FRS (1)	3264
50 A, 600 V, FRS (1)	971
2 A, 250 V, MDA (5)	983
Instruction manual	4464400600