

# 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

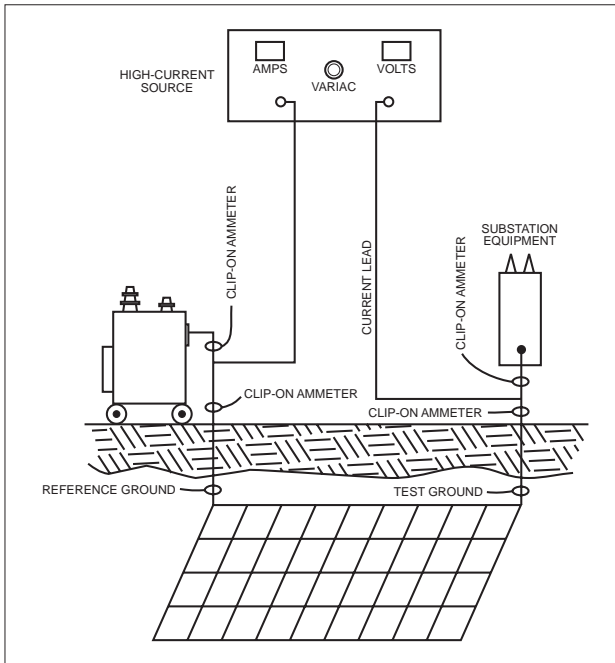
15.5 H x 30 W x 19.5 D in.

(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
<b>Included Accessories</b>	
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

**UK**  
Archcliffe Road Dover  
CT17 9EN England  
T +44 (0) 1304 502101  
F +44 (0) 1304 207342

**UNITED STATES**  
4271 Bronze Way  
Dallas TX75237-1088 USA  
T 800 723 2861 (USA only)  
T +1 214 330 3203  
F +1 214 337 3038

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