ELECTRONIC TEST & POWER SYSTEMS

GT-7550

LABORATORY CURRENT SHUNT

POSITIVE PROBLEM SOLVING

The GT-7550 model has five precision ultra stable current shunts which range from 0.001Ω to 10Ω. The internal current meter measures from 1mA to 250A.

The five selector switches, shunts, binding posts and the internal 4½ digit AC/DC current meter display the respective shunt current. By adding an external DVM of 5½ digits or higher the resolution and current read back accuracy can be increased. This compact unit is built into a 19" × 2U × 325mm case. Retractable feet provide a good view angle when the GT-7550 is used on the desktop. If cabinet mounting is required a flange kit is optionally available.

- Built in Over Current Protection
- Temperature Drift <10ppm/°C
- 4½ Digit AC/DC Current Meter
- 1µA - 250A Current Range
- High Accuracy of 0.01%

GT-7550
LABORATORY CURRENT SHUNT

TECHNICAL DATA

RANGE	SHUNT VALUE	DC ACCURACY	AC ACCURACY (≤ 400HZ)	MAX INPUT (DC/ACRMS)	OUTPUT VOLTAGE
200A	0.001Ω	0.02%	0.1%	250A	0.2V
20A	0.01Ω	0.01%	0.1%	30A	0.2V
2A	0.1Ω	0.01%	0.1%	4A	0.2V
200mA	1Ω	0.01%	0.1%	400mA	0.2V
20mA	10Ω	0.01%	0.1%	40mA	0.2V

All shunt types are 4 internal networks with calibration adjustments for each network. AC accuracy is limited to 100A.

4½ DIGIT AMMETER

RANGE	RESOLUTION (AUTO RANGE)	DC ACCURACY	AC ACCURACY (50 - 400HZ)
200A	0.01 / 0.1A	0.05% of reading + 2 counts	0.5% of reading + 20 counts For sinewave input ≥1800 count
20A	0.001 / 0.01A		
2A	0.1 / 1mA		
200mA	0.01 / 0.1mA		
20mA	0.001 / 0.01mA		

All shunt types are 4 internal networks with calibration adjustments for each network. AC accuracy is limited to 100A.

OPTIONS

CODE	DESCRIPTION
/0001	19" rack mount kit
/0002	1 metre 250A cable set

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.

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ETPS engineer electronic power supply and testing systems. Our problem solving skills provide the spark of innovation to some of the world’s leading technology brands.

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Tel: +44 (0) 1246 452909
Sales: 0800 612 95 75
sales@etps.co.uk
www.etps.co.uk

ETPS Ltd
Unit 14, The Bridge
Beresford Way, Chesterfield
S41 9FG

POSITIVE PROBLEM SOLVING