



DT-5301

DIGITAL LOOP/PSC TESTER

- I Custom Microcontroller for high accuracy and reliability
- I 15mA LOOP measurement
- I Direct reading of Prospective Short Circuit Current (PSC)
- I Safe Voltage measurement function
- I Large custom digital display readout
- I Measure low loop resistance (resolution of 0.01 Ω)
- I Automatic lock out if test resistor overheats
- I Visual indication of reversed phase and neutral wiring at socket
- I Complies with CE, EN-61010-1



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General Specifications

Lines test	3 LED indicates lines state. When reversed, the third LED light
Over heat protect	When the temperature of the resistor is high, tester will cut and lock. LCD will display "Temperature is High" and flash the flag "H"
Overload protect	When the voltage of P-E is up to 250V, the tester will stop test to protect the tester and LCD will flash "250V".
Low Battery Indication	The flag "B" is displayed when the battery voltage drop below the operating voltage
Test mode	when press the key "TEST", Tester will display the result for 5's then display the voltage
Operating Temperature	0°C to 40°C (32°F to 104°F) and Humidity below 80% RH
Storage Temperature	-10°C to 60°C (14°F to 140°F) and Humidity below 70% RH
Power source	6x1.5V Size "AA" battery or Equivalent (DC9V)
Dimensions	200(L) x 92(W) x 50(H) mm
Weight	Approx 700g include battery

Electrical Specifications

Accuracies are specified in the way:

$\pm$ (...% of reading +...digits) at 23°C $\pm$ 5°C, below 80% RH

Loop resistance

Range	Resolution	Test times	Full scale accuracy
20 Ω	0.01 Ω	25A/20ms	$\pm$ 2% of F.S $\pm$ 5d
200 Ω	0.1 Ω	2.3A/40ms	$\pm$ 2% of F.S $\pm$ 5%
2000 Ω	1 Ω	15mA/280ms	$\pm$ 2% of F.S $\pm$ 5d

Prospective short current

Range	Resolution	Test	Full scale accuracy
200A	0.1A	times	$\pm$ 2% of F.S $\pm$ 5d $\pm$
2KA	1A	2.3A/40ms	2% of F.S $\pm$ 5d $\pm$
20KA	10A	25A/20ms	2% of F.S $\pm$ 5d

25A/20ms

AC Voltage (50HZ)

Range	Full scale accuracy
50~250V	$\pm$ 2% of F.S $\pm$ 5d

Accessories

Battery, Instruction Manual, Test Probes, Carrying Case, Test Certificate.