



DT-5301

DIGITAL LOOP/PSC TESTER

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

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:

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

Loop resistance

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

Prospective short current

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

AC Voltage (50HZ)

| Range | Full scale accuracy |
|---------|---------------------|
| 50~250V | ± 2% of F.S ± 5d |

Accessories

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



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