



1. ELECTRICAL SPECIFICATIONS

Accuracy is given as \pm (% of reading + no. of least significant digits) at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, with relative humidity Less than 80% R.H.

DC VOLTAGE

| Range | Resolution | Accuracy | Overload Protection |
|-------|------------|----------------------|---------------------|
| 400mV | 0.1mV | $\pm(0.8\%rdg+2dgt)$ | 660V DC/AC RMS |
| 4V | 1mV | | |
| 40V | 10 mV | | |
| 400V | 100mV | | |
| 600V | 1V | $\pm(1.0\%rdg+2dgt)$ | |

Input Impedance: 10M Ω to 100 M Ω (400 mV)

AC VOLTAGE

| Range | Resolution | Accuracy 50~500Hz | Overload Protection |
|-------|------------|------------------------------------|------------------------|
| 400mV | 0.1mV | $\pm(1.0\%rdg+50dgt)$ (40 - 60 Hz) | 660V DC/AC RMS |
| 4V | 1mV | $\pm(1.0\%rdg+3dgt)$ | |
| 40V | 10 mV | | |
| 400V | 100mV | | |
| 600V | 1V | $\pm(1.2\%rdg+3dgt)$ | |

Input Impedance: 10M Ω to 100 M Ω (400 mV)

AC CURRENT

| Range | Resolution | Accuracy 50 ~ 60Hz | Overload Protection |
|-------|------------|-----------------------|------------------------|
| 40A | 0.01A | $\pm(2.5\%rdg+10dgt)$ | 600A RMS (60 second) |
| 400A | 0.1A | | |

DC CURRENT

| Range | Resolution | Accuracy | Overload Protection |
|-------|------------|-----------------------|----------------------|
| 40A | 0.01A | $\pm(2.5\%rdg+10dgt)$ | 600A RMS (60 second) |
| 400A | 0.1A | | |

RESISTANCE

| Range | Resolution | Accuracy | MAX. Test Voltage | Overload Protection |
|---------------|--------------|----------------------|----------------------|-------------------------|
| 400 Ω | 0.1 Ω | $\pm(1.0\%rdg+5dgt)$ | About 1.5 VDC | 600V RMS (60 second) |
| 4k Ω | 1 Ω | $\pm(1.0\%rdg+3dgt)$ | About 0.45 VDC | |
| 40k Ω | 10 Ω | | | |
| 400k Ω | 100 Ω | | | |
| 4M Ω | 1k Ω | $\pm(3.0\%rdg+3dgt)$ | | |
| 40M Ω | 10k Ω | | | |

AUDIBLE CONTINUITY TEST

| Range | Accuracy | Test Voltage |
|------------|--|--------------|
| Continuity | Built-in buzzer sounds when reading is below approx. 40 Ω , the buzzer turns off when reading is greater than 40 Ω . | <1.5VDC |

Overload protection: 600V RMS



2. GENERAL SPECIFICATIONS

Display:

- The liquid crystal display (LCD) is 3 $\frac{3}{4}$ digits with maximum reading 3999 counts.
- Decimal point and symbol indication
- Backlight function
- Analogical Bargraph
- Automatic polarity indication.

Function:

- DCV, ACV, ACA, DCA, OHM, Audible continuity tests.

Measuring rate:

- 2 times per second; 20 times per second for analogical bargraph

Low battery indicator:

- The "  " appears when the battery voltage drops is low

Operating temperature:

- 5°C to 40 °C, 0 - 80 % R.H.

Storage temperature:

- -10°C to 60°C, 0 - 70 % R.H.

General informations:

- Indoor use
- Altitude up to 2000m
- Pollution degree: 2
- Insulation: class 2 (double insulation)
- Max. diameter conductor size : 30 mm

Power supply:

- 2 x 1.5V IEC R03 AAA carbon-zinc or alkaline type batteries
- AutoPowerOFF function for more of 30 minutes of don't work

Dimension:

- 205 (H) x 64 (W) x 39 (L) mm

Weight:

- 280 grams with batteries included.

Applied standards:

- LVD: EN 61010-1 CAT III 600V
- EMC: EN60326

This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC