



81-USB

Features

- Auto / Manual
- 3½ Digits 4000 Counts LCD
- Basic DC Accuracy : 0.3%
- More than 45 Measuring Ranges
- Frequency Measurement : 10Hz to 4 MHz
- Duty Cycle : 10% ~ 90%
- Resistance : 0.1Ω to 40MΩ
- Capacitance : 4nF to 40μF
- Measures AC Voltage in dBm or Volts
- Data HOLD / MAX / MIN
- Relative Measurement
- Pulse Widths
- Logic Test
- HFE Test
- Diode Test
- Audible Continuity
- Dynamic Recording
- Communication : USB Cable
- Auto Power Off

General Specification

- Power : One 9V Battery
- Weight : 296gms including Battery (approx.)
- Dimension : 178 x 88 x 43mm (approx.)
- Safety / Compliance : IEC 61010 CAT II
- Accessories : Instruction Manual, One Pair of Test Leads, Holster, Battery (installed), USB Cable & Software CD

Meter View Software

Display Graphs, Real Time Values, Analog Indication and Digital Values Simultaneously
Software has special features like :

- AUTO Amplitude Scale
- AUTO Sample Scale
- DATA Log
- Virtual LCD & Analog Meter

Electrical Specification

| Range | Resolution | Accuracy | Note |
|---|------------|------------------------|--|
| DC Voltage | | | |
| 400mV | 100μV | ± (0.3% rdg + 4 dgt) | Input Impedance : 10MΩ in parallel with < 50 PF Overload Protection 1000V DC / 750V AC |
| 4V | 1mV | ± (0.5% rdg + 5 dgt) | |
| 40V | 10mV | | |
| 400V | 100mV | ± (0.5% rdg + 3 dgt) | |
| 1000V | 1V | ± (0.5% rdg + 4 dgt) | |
| AC Voltage, AC Response : 50 ~ 500Hz | | | |
| 400mV | 100μV | ± (0.5% rdg + 4 dgt) | Input Impedance : 10MΩ in parallel in parallel with < 50 PF Overload Protection 1000V DC / 750V AC |
| 4V | 1mV | ± (0.5% rdg + 3 dgt) | |
| 40V | 10mV | ± (0.8% rdg + 5 dgt) | |
| 400V | 100mV | ± (0.6% rdg + 3 dgt) | |
| 750V | 1V | ± (0.8% rdg + 4 dgt) | |
| DC Current | | | |
| 400μA | 100nA | ± (0.8% rdg + 5 dgt) | Fuse : F 500mA / 250V |
| 4mA | 1μA | ± (0.6% rdg + 3 dgt) | |
| 40mA | 10μA | ± (1.2% rdg + 5 dgt) | |
| 400mA | 100μA | | |
| 4A | 1mA | ± (0.8% rdg + 5 dgt) | Fuse : F 12A / 250V |
| 10A | 10mA | ± (1.0% rdg + 5 dgt) | |
| AC Current, AC Response : 50 ~ 500Hz | | | |
| 400μA | 100nA | ± (1.0% rdg + 5 dgt) | Fuse : F 500mA / 250V |
| 4mA | 1μA | | |
| 40mA | 10μA | ± (1.5% rdg + 5 dgt) | |
| 400mA | 100μA | | Fuse : F 12A / 250V |
| 4A | 1mA | ± (1.0% rdg + 5 dgt) | |
| 10A | 10mA | ± (1.2% rdg + 5 dgt) | |
| Resistance (Ω) | | | |
| 400Ω | 100mΩ | ± (0.4% rdg + 5 dgt) | Overload Protection 250V DC / AC |
| 4KΩ | 1Ω | | |
| 40KΩ | 10Ω | ± (0.3% rdg + 3 dgt) | |
| 400KΩ | 100Ω | | |
| 4MΩ | 1KΩ | ± (0.6% rdg + 3 dgt) | |
| 40MΩ | 10KΩ | ± (1.5% rdg + 5 dgt) | |
| Capacitance | | | |
| 4nF | 1 PF | ± (3.0% rdg + 40 dgt) | Overload Protection 250V DC / AC |
| 40nF | 10 PF | | |
| 400nF | 100 PF | ± (3.0% rdg + 10 dgt) | |
| 4μF | 1 nF | | |
| 40μF | 10 nF | | |
| Frequency (Hz) | | | |
| 400Hz | 0.1 Hz | ± (0.1% rdg + 4 dgt) | OL Protection : 250V DC / AC Sensitivity : 50mV rms (400Hz, 4KHz, 40KHz) 100mV rms (400KHz) 250mV rms (4MHz) |
| 4KHz | 1 Hz | | |
| 40KHz | 10 Hz | | |
| 400KHz | 100 Hz | | |
| 4 MHz | 1 KHz | | |
| dBm, 20mV to 750V RMS at 50 / 60 Hz | | | |
| 0 ~ +62dB | | ± (0.3% dBm + 2 dgt) | OL Protection : 1000V DC / 750V AC |

Analog & Digital Display



Data Logging / Recording

