KENWOOD

Test and Measuring Instrument
Product Information

5 1/2 Digit Digital Multimeter DL-2000 Series

120,000 counts, High resolution



DL-2050 Accuracy 0.012% at DCV DL-2050G With GP-IB function

DL-2051 Accuracy 0.02% at DCV DL-2051G With GP-IB function

- Maximum 120,000 counts.
- Two measurement values are displayed (e.g. AC voltage and frequency).
- Easy to see the display with Vacuum Fluorescent Display.
- Full remote control with **RS-232C** as standard and **GP-IB** by DL-2050G/2051G.
- Selectable 2 wire and 4 wire resistance measurements.
- True RMS measurements.
- 0.01Hz resolution in frequency measurements.
- Relative (REL) function to offset residual reading before measurements.
- Compare function to determine if above, below or within a designated range (Hi/Lo/Pass).
- MIN/MAX recording function to keep minimum and/or maximum measurement readings.
- Satisfying CE mark certification requirements.

DL-2000 Series 5 1/2 Digit Digital Multimeter

Specifications

| Model | | DL-2050/2050G | DL-2051/2051G |
|----------------------|------------|---|----------------------|
| Display | | 5 1/2 Dual with Vacuum Fluorescent Display | |
| Full scale | | 120,000 counts: Slow measuring rate | |
| | | 40,000 counts: Medium measuring rate | |
| | | 4,000 counts: Fast measuring rate | |
| DC Voltage Range | | 120mV to 1,000V | |
| | Accuracy | 0.012% + 5 counts *1 | 0.02% + 5 counts *1 |
| | Resolution | 1uV at 120mV range in Slow measuring rate | |
| AC Voltage | Range | 120mV to 750V | |
| | Accuracy | 0.2% + 100 counts *1 | 1.5% + 100 counts *1 |
| | Resolution | 1uV at 120mV range in Slow measuring rate | |
| | Frequency | 20Hz to 100kHz 40Hz to 30kHz | |
| DC Current | Range | 12mA to 10A | |
| | Accuracy | 0.05% + 5 counts *1 | 0.1% + 8 counts *1 |
| | Resolution | 0.1uA at 12mV range in Slow measuring rate | |
| AC Current | Range | 12mA to 10A | |
| | Accuracy | 0.5% + 100 counts *1 | 1.5% + 200 counts *1 |
| | Resolution | 0.1uA at 12mA range in Slow measuring rate | |
| | Frequency | 20Hz to 10kHz | 40Hz to 5kHz |
| dBm | Accuracy | 0.1dBm *1 | 0.6dBm *1 |
| | Resolution | 0.01dBm | |
| Resistance | Range | 120 ohm to 120M ohm | |
| | Accuracy | 0.06% + 5 counts *1 | 0.1% + 5 counts *1 |
| Resolution | | 1m ohm at 120 ohm range in Slow measuring rate | |
| Resistance by 4 wire | | 0 | |
| Frequency Range | | 1,200Hz to 1MHz | |
| | Accuracy | 0.005% + 2 counts *1 | 0.01% + 3 counts |
| | Resolution | 0.01Hz at 1,200Hz range | |
| Diode check | | 0 | |
| Continuity check | | 0 | |
| True RMS | | AC or AC + DC | |
| RS-232c | | Standard | |
| GP-IB | | DL-2050G only | DL-2051G only |
| Power source | | AC 100/120/220/240 V ±10%, Approx.16AV | |
| Dimensions | | 255(W) x 105(H) x 305(D) mm (included protective holster) | |
| Weight | | Approx. 3.0kg | |
| Accessories | | Power code, Protective holster, Instruction manual, | |
| | | Test leads (Lantern type probe: TL-36) | |
| Option | | 4 wire test cable set with Kelvin clippers: KC-01 | |
| | | RS-232C PC Link software and cable: S-DL10 | |
| | | Rack mount kit: OM-20E | |
| | | Cable (Banana plug – alligator clip, 1m): CA-48P | |
| | | Test leads (Lantern type probe): TL-36 | |

^{*1.} The value is changed for the reason that the condition of measuring rate, measuring range and frequency.