

# 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.

**PRODUCT INFORMATION**

**DL-2000 Series 5 1/2 Digit Digital Multimeter**

**Specifications**

<b>Model</b>	<b>DL-2050/2050G</b>	<b>DL-2051/2051G</b>
<b>Display</b>	<b>5 1/2 Dual with Vacuum Fluorescent Display</b>	
<b>Full scale</b>	<b>120,000 counts : Slow measuring rate 40,000 counts: Medium measuring rate 4,000 counts: Fast measuring rate</b>	
<b>DC Voltage</b>	<b>Range</b>	<b>120mV to 1,000V</b>
	<b>Accuracy</b>	<b>0.012% + 5 counts *1      0.02% + 5 counts *1</b>
	<b>Resolution</b>	<b>1uV at 120mV range in Slow measuring rate</b>
<b>AC Voltage</b>	<b>Range</b>	<b>120mV to 750V</b>
	<b>Accuracy</b>	<b>0.2% + 100 counts *1      1.5% + 100 counts *1</b>
	<b>Resolution</b>	<b>1uV at 120mV range in Slow measuring rate</b>
	<b>Frequency</b>	<b>20Hz to 100kHz      40Hz to 30kHz</b>
<b>DC Current</b>	<b>Range</b>	<b>12mA to 10A</b>
	<b>Accuracy</b>	<b>0.05% + 5 counts *1      0.1% + 8 counts *1</b>
	<b>Resolution</b>	<b>0.1uA at 12mV range in Slow measuring rate</b>
<b>AC Current</b>	<b>Range</b>	<b>12mA to 10A</b>
	<b>Accuracy</b>	<b>0.5% + 100 counts *1      1.5% + 200 counts *1</b>
	<b>Resolution</b>	<b>0.1uA at 12mA range in Slow measuring rate</b>
	<b>Frequency</b>	<b>20Hz to 10kHz      40Hz to 5kHz</b>
<b>dBm</b>	<b>Accuracy</b>	<b>0.1dBm *1      0.6dBm *1</b>
	<b>Resolution</b>	<b>0.01dBm</b>
<b>Resistance</b>	<b>Range</b>	<b>120 ohm to 120M ohm</b>
	<b>Accuracy</b>	<b>0.06% + 5 counts *1      0.1% + 5 counts *1</b>
	<b>Resolution</b>	<b>1m ohm at 120 ohm range in Slow measuring rate</b>
<b>Resistance by 4 wire</b>	<b>○</b>	
<b>Frequency</b>	<b>Range</b>	<b>1,200Hz to 1MHz</b>
	<b>Accuracy</b>	<b>0.005% + 2 counts *1      0.01% + 3 counts</b>
	<b>Resolution</b>	<b>0.01Hz at 1,200Hz range</b>
<b>Diode check</b>	<b>○</b>	
<b>Continuity check</b>	<b>○</b>	
<b>True RMS</b>	<b>AC or AC + DC</b>	
<b>RS-232c</b>	<b>Standard</b>	
<b>GP-IB</b>	<b>DL-2050G only</b>	<b>DL-2051G only</b>
<b>Power source</b>	<b>AC 100/120/220/240 V ±10%, Approx.16AV</b>	
<b>Dimensions</b>	<b>255(W) x 105(H) x 305(D) mm (included protective holster)</b>	
<b>Weight</b>	<b>Approx. 3.0kg</b>	
<b>Accessories</b>	<b>Power code, Protective holster, Instruction manual, Test leads (Lantern type probe: TL-36)</b>	
<b>Option</b>	<b>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</b>	

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

\*Specifications subject to change without notice.

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