

Bench Top Digital Multimeters

DL Series

Accuracy 0.012% at DCV Full scale 120,000

DL-2050

DL-2050G (With GP-IB function)

Accuracy 0.02% at DCV Full scale 120,000

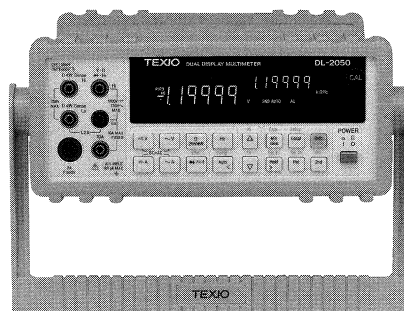
DL-2051

DL-2051G (With GP-IB function)

Accuracy 0.02% at DCV Full scale 51,000

DL-2040

DL-2040G (With GP-IB function)



- Maximum 120,000 counts. (DL-2040/DL-2040G: 51000 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/2040G.
- Selectable 2-wire and 4-wire resistance measurements. (DL-2040/DL-2040G: 2 wire only)
- 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.
- Equipped external trigger function with panel key or interface(RS-232C or GP-IB) (DL-2040/DL-2040G)
- Satisfying CE mark certification requirements.

Specifications

Model	DL-2050/2050G	DL-2051/2051G	DL-2040/2040G
Display	5 1/2 digit Dual with Vacuum Fluorescent Display		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		51,000 counts
DC Voltage	Range	120mV to 1,000V	500mV to 1,000V
	Accuracy	0.012% + 5 counts ^{*1}	0.02% + 5 counts ^{*1}
	Resolution	1μV at 120mV range in Slow measuring rate	
AC Voltage	Range	120mV to 750V	500mV to 750V
	Accuracy	0.2% + 100 counts ^{*1}	1.5% + 100 counts ^{*1}
	Resolution	1μV at 120mV range in Slow measuring rate	
	Frequency	20Hz to 100kHz	40Hz to 30kHz
DC Current	Range	12mA to 10A	500μA to 10A
	Accuracy	0.05% + 5 counts ^{*1}	0.1% + 8 counts ^{*1}
	Resolution	0.1μA at 12mA range in Slow measuring rate	
AC Current	Range	12mA to 10A	500μA to 10A
	Accuracy	0.5% + 100 counts ^{*1}	1.5% + 200 counts ^{*1}
	Resolution	0.1μA at 12mA range in Slow measuring rate	
	Frequency	20Hz to 10kHz	40Hz to 5kHz
dBm	Accuracy	0.1dBm ^{*1}	0.2dBm ^{*1}
	Resolution	0.01dBm	
Resistance	Range	120 ohm to 120M ohm	500 ohm to 50M 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	○		10m ohm
Frequency	Range	1,200Hz to 1MHz	500Hz to 500kHz
	Accuracy	0.005% + 2 counts ^{*1}	0.01% + 3 counts
	Resolution	0.01Hz at 1,200Hz range	
Diode check	○		○
Continuity check	○		○
True RMS	○		AC or AC + DC
RS-232c	Standard		Standard
GP-IB	DL-2050G only	DL-2051G only	DL-2040G only
Power source	AC 100/120/220/240 V ±10%, Approx.16VA		
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 Rack mount adapter: 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.