









Accessories : TEST LEAD L9208/ L9207- 10/ L9207-30/ DT4911	Sleeve attached	CAT IV 600 V	When the CAT (measurement category) rating of the main unit is lower than that of test leads, the CAT of the main unit takes precedence. When measuring in a CAT IV or CAT III environment, be sure to attach the sleeve to the test leads.	
	No sleeve attached	CAT III 1000 V		
		CAT II 1000 V		

■ **Basic specifications** (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

*For more detailed information, please refer to the individual product catalogs.

Model	Standard models					High-end models	
	DT4252	DT4253	DT4254	DT4255	DT4256	DT4281	DT4282
Appearance							
Basic Specifications							
Principal applications	General use	Air-conditioning/ instrumentation	PV, power equipment management	Electrical work	General use	Electrical work	General use
Rectifier	True RMS					True RMS	
Maximum display count	6000					60000	
Display backlight function	✓	✓	✓	✓	✓	✓	✓
CAT	Probe sleeve attached					CAT IV 600 V / CAT III 1000 V	
	No probe sleeve attached					CAT II 1000 V	
Measurement range							
AC/DC Voltage (Frequency characteristics)	*600.0 mV (* DC only)/ 6.000 V/ 60.00 V/ 600.0 V/ 1000 V (40 Hz to 1 kHz (AC only))		*600.0 mV/ 6.000 V/ 60.00 V/ 600.0 V/ *1500 V (* DC only) (40 Hz to 1 kHz (AC only))		*600.0 mV (* DC only)/ 6.000 V/ 60.00 V/ 600.0 V/ 1000 V (40 Hz to 1 kHz (AC only))		60.000 mV/ 600.00 mV/ 6.0000 V/ 60.000 V/ 600.00 V/ 1000.0 V (20 Hz to 100 kHz (AC only))
Basic accuracy (DC V)	±0.3 % rdg. ±5 dgt. 600.0 mV range: ±0.2 % rdg. ±5 dgt.	±0.3 % rdg. ±5 dgt.	±0.3 % rdg. ±3 dgt.			±0.025 % rdg. ±2 dgt.	
Basic accuracy (AC V)	40 Hz-500 Hz: ±0.9 % rdg. ±3 dgt.					45 Hz-65 Hz: ±0.2 % rdg. ±25 dgt.	
AC+DC Voltage (Frequency characteristics)	N/A		N/A		6.0000 V/ 60.000 V/ 600.00 V/ 1000.0 V (20 Hz to 100 kHz)		
Basic accuracy	--		--		45 Hz-65 Hz: ±0.3 % rdg. ±30 dgt.		
AC/DC Current (Frequency characteristics) (Direct input)	6.000 A/ 10.00 A (40 Hz to 1 kHz (AC only))	*60.00 µA/*600.0 µA *6.000 mA/*60.00 mA (* DC only)	N/A	N/A	*60.00 mA (* DC only)/ 600.0 mA 6.000 A/ 10.00A (40 Hz to 1 kHz (AC only))	600.0 µA/ 6000.0 µA 60.000 mA/ 600.00 mA (20 Hz to 20 kHz (AC only))	600.0 µA/ 6000.0 µA 60.000 mA/ 600.00 mA 6.0000 A/ 10.000 A (20 Hz to 20 kHz (AC only))
Basic accuracy (DC A)	±0.9 % rdg. ±5 dgt.	±0.8 % rdg. ±5 dgt.	--	--	±0.9 % rdg. ±3 dgt.	±0.05 % rdg. ±5 dgt.	
Basic accuracy (AC A)	40 Hz-500 Hz: ±1.4 % rdg. ±3 dgt.	--	--	--	40 Hz-500 Hz: ±1.4 % rdg. ±3 dgt.	45 Hz-65 Hz: ±0.6 % rdg. ±5 dgt.	
AC Current (Frequency characteristics) (Clamp sensor)	N/A	10.00 A to 1000 A (40 Hz to 1 kHz)	N/A	10.00 A to 1000 A (40 Hz to 1 kHz)		10.00 A to 1000 A (40 Hz to 1 kHz)	N/A
Basic accuracy	--	40 Hz to 1 kHz: ±0.9 % rdg. ±3 dgt. Combined accuracy: Add AC clamp's measurement accuracy.	--	40 Hz to 1 kHz: ±0.9 % rdg. ±3 dgt. Combined accuracy: Add AC clamp's measurement accuracy.		45 Hz-65 Hz: ±0.6 % rdg. ±2 dgt. Combined accuracy: Add AC clamp's measurement accuracy.	--
Resistance	600.0 Ω/ 6.000 kΩ/ 60.00 kΩ/ 600.0 kΩ/ 6.000 MΩ/ 60.00 MΩ		N/A	600.0 Ω/ 6.000 kΩ/ 60.00 kΩ/ 600.0 kΩ/ 6.000 MΩ/ 60.00 MΩ		60.000 Ω/ 600.00 Ω/ 6.0000 kΩ/ 60.000 kΩ/ 600.00 kΩ/ 6.0000 MΩ/ 60.00 MΩ	
Basic accuracy	±0.7 % rdg. ±5 dgt.		--	±0.7 % rdg. ±3 dgt.		±0.03 % rdg. ±2 dgt.	
Temperature (thermocouples)	N/A	K: -40.0 to 400.0 °C	N/A	N/A	N/A	K: -40.0 to 800.0 °C	
Basic accuracy	--	±0.5 % rdg. ±2 °C	--	--	--	±0.5 % rdg. ±3 °C	
Capacitance	1.000 µF/ 10.00 µF/ 100.0 µF / 1.000 mF/ 10.00 mF		N/A	1.000 µF/ 10.00 µF/ 100.0 µF/ 1.000 mF/ 10.00 mF		1.000 nF/ 10.00 nF/ 100.0 nF/ 1.000 µF/ 10.00 µF/ 100.0 µF/ 1.000 mF/ 10.00 mF/ 100.0 mF	
Basic accuracy	±1.9 % rdg. ±5 dgt.		--	±1.9 % rdg. ±5 dgt.		±1.0 % rdg. ±5 dgt.	
Frequency	99.99 Hz/ 999.9 Hz/ 9.999 kHz/ 99.99 kHz					99.999 Hz/ 999.99 Hz/ 9.9999 kHz/ 99.999 kHz/ 500.00 kHz	
Basic accuracy	±0.1 % rdg. ±1 dgt.					±0.005 % rdg. ±3 dgt.	
Continuity check	✓	✓	N/A	✓	✓	✓	✓
Diode check	✓	✓	N/A	✓	✓	✓	✓
Conductance	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voltage detection	N/A	N/A	✓	✓	✓	N/A	N/A
Functions							
Auto-power save	✓	✓	✓	✓	✓	✓	✓
Auto/ manual range	✓	✓	✓	✓	✓	✓	✓
Display value hold	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
AC/DC voltage automatic detection	N/A	✓	✓	✓	✓	AC/DC dual display	AC/DC dual display
dB conversion	N/A	N/A	N/A	N/A	N/A	✓	✓
Peak measurement	N/A	N/A	N/A	N/A	N/A	✓	✓
4-20 mA% conversion	N/A	✓	N/A	N/A	N/A	✓	✓
Other functions	Filter function, Max/Min/Avg value display, Relative display, USB communication (option)					Filter function, Max/Min value display, Sampling select, Relative display, Memory function (400 data), USB communication (option)	
Dustproof and waterproof	IP42 (EN60529)					IP40 (EN60529)	
Power supply/ Continuous operating time (Backlight off)	Alkaline battery (LR03) ×4, 130 hours					LR6 (AA) alkaline battery ×4, 100 hours R6P (AA) manganese battery ×4, 30 hours	
Dimensions and mass	84 mm (3.31 in)W × 174 mm (6.85 in)H × 52 mm (2.05 in)D, 390 g (13.8 oz) (including batteries and holster)					93 mm (3.66 in)W × 197 mm (7.76 in)H × 53 mm (2.09 in)D, 650 g (22.9 oz) (including batteries)	