DT-51/61

6 in 1 Digital Multimeter with Environment Measurement

The model 61 is 6 in 1 Digital Multimeter with Environment Measurement. It has been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter & Non-contact AC voltage detector. The model 51 is without temperature (ºF) range. They are ideal Multifunction Environment & DMM Instruments with scores of practical applications for professional and home use. The Sound Level function can be used to measure noise in factories, schools, offices and home, etc, checking acoustics of studios, auditoriums and hi-fi installations.

The Light function is used to measure illuminance in the field. It is fully cosine corrected for the angular incidence of light. The light sensitive component used in the meter is a very stable, long life silicon ciode. The Humidity/Temperature uses a humidity/semiconductor sensor and K type thermocouple. The DMM function

include ACV, DCV, ACA, DCA Resistance, Capacitance, Frequency, Duty Cycle, Diode, Continuity test and Non-contact AC voltage detector.

61 is 6 in 1 multifunction multimeter, including DMM, sound level meter, light meter, humidity meter, temperature meter and Non-contact AC voltage detector

Safety design meets CAT III 1000V and CAT IV 600V

Infrared Probe for Non-contact Temperature measurement (Optional IR-82)

Double Molded Housing

4000 Counts digital LCD display with backlit

Specifications			
Function	Max. Range	Max. Resolution	Basic Accuracy
Light	20,000Lux 40,000Lux	0.1Lux	0.5%±10d
Sound	100dB	0,1dB	±3.5dB
Humidity	99%RH	0.1%RH	±3.5%RH
Temperature	-20 ~750℃	0.1°up to 400°, 1°over 400°	±3%±3℃
	-4~1400℉	0.1°up to 400°, 1°over 400°	±3%±5℉
NCV	50~1000V		
Voltage DC	600V	0.1mV	±0.5%±2d
Voltage AC	600V	0.1mV	±1.2%±10d
Current DC	10A	0.1uA	±1.0%±2d
Current AC	10A	0.1uA	±1.0%±2d
Resistance	40MΩ	0.1Ω	±0.8%±2d
Capacitance	100uF	0.01nF	±3.5%
Frequency	10MHz	0.001Hz	±1.5%
Duty Cycle	99.9%	0.1%	±1.2%
Diode Check	Open voltage 2.8VDC; Test current 1mA		
Continuity Test	Threshold 30Ω		

Size(HxWxD): 170mm x 79mm x 50mm
Weight: 342g

Applications
Plant/General Maintenance
HVAC/R
Transportation/Automotive
Cooling and Reheating
Serving areas
Food service Equipment
Cold storage

Accessories: 9V battery, Test leads and K-Type temperature probe.
Infrared Temperature Probe (Option IR-82)