



6310A/6310B

General Specification

Model	Range	Accuracy	Resolution	Maximum test current
6310B	0.001mΩ~10.000mΩ	Within 18℃~28℃, Below 70%rh: ±0.1%FS±20dgt	0.001mΩ	1.2A
	10.01mΩ~100.00mΩ		0.01mΩ	1.2A
	100.1mΩ~1000.0mΩ		0.1Ω	1.2A
	1.001Ω~10.000Ω		0.001Ω	1.2A
	10.01Ω~100.00Ω		0.01Ω	0.5A
	100.1Ω~1000.0Ω		0.1Ω	0.05A
	1.001KΩ~10.000KΩ		0.001KΩ	5mA
	10.01KΩ~100.00KΩ		0.01KΩ	0.5mA
6310A	0.01mΩ~100.00mΩ	Within 18℃~28℃, Below 70%rh: ±0.1%FS±20dgt	0.1mΩ	1.2A
	100.1mΩ~1000.0mΩ		0.0001Ω	1.2A
	1.001Ω~10.000Ω		0.001Ω	1.2A
	10.01Ω~100.00Ω		0.01Ω	0.5A
	100.1Ω~1000.0Ω		0.0001KΩ	0.05A
	1.001KΩ~10.000KΩ		0.001KΩ	5mA
	10.01KΩ~30.00KΩ		0.01KΩ	0.5mA

Note: within 18℃~28℃, above 70%rh, within -10℃~50℃, below 80%rh: ±0.2%FS±20dgt.

Model of Series		
Resistance Range	0.01mΩ~30.00KΩ	0.001mΩ~300.0KΩ
Resolution	10uΩ	1uΩ
Accuracy	±0.1%FS	±0.1%FS
Data storage	500 sets	500 sets
USB Data upload function	N	Y
Charging function	Y	Y

Model of Series	
Function	Mainly used to measure the wire resistance of cables, the contact resistance of switches, connectors, relays, the resistance of coils, motors, transformer winding and metal riveting resistance, the connection resistance test between metal components, the low-value resistance test, and the grounding grid Resistance test of connecting conductor, contact resistance test, etc.
Detection method	Four-wire method test
Test current	≥1A
Open circuit voltage	≤4.2V
Overload protection	Y
Power	Measuring power≤8W
power supply	DC 3.7V 2000mAh
Backlight	Controllable gray and white screen backlight, suitable for dim places
Display Model	LCD
LCD Size	72 mm×55mm
Instrument size	187 mm×119 mm×50mm
Test line length	About 60cm, red, black 1pcs
measure time	About 2 times/sec
USB interface	With micro USB interface
Communication line	micro USB 1pcs
Data storage	500 groups, "MEM" storage indication, display "FULL" symbol to indicate storage is full
Data review	Data review function: "MR" symbol display
Overflow display	Over-range overflow function: "OL" symbol display
Battery voltage	Real-time display of battery power, reminding timely charging when battery voltage is low
Automatic shut-down	"APO" indicates, automatic shutdown after 15 minutes
Power consumption	Standby: about 100mA (backlight off) Turn on backlight: about 105mA Measure: 2A Max(backlight off)
Weight	Instrument:480g(including battery) Test line: 250g
Working temperature and humidity	-10℃~50℃; below 80%rh
Storage temperature and humidity	-20℃~60℃; below 70%rh
Overload protection	AC 220V/0.0001 second between C1-C2 P1-P2 ports, after overload protection, you need to restart the meter to test normally
Insulation resistance	More than 10MΩ(Between circuit and case 500V)
Pressure resistance	AC 3700V/rms(Between circuit and case)
Electromagnetic properties	IEC61010-4-3, Wireless frequency electromagnetic fields≤1V/m
Suitable for Safety Regulations	IEC61010-1, CAT III 600V, Pollution Level 2, JG724-1991 "Determination of Direct Current Digital Ohmmeter", JG166-1993 "Dialect Resistor Verification Regulation", "DL/T967-2005 Loop Resistance Tester and DC Resistance Fast Tester Verification Procedures

General Specification

Model	Rated Voltage	Insulation Resistance Range	Short Circuit Current
9600	250V, 500V, 1KV, 2.5KV, 5KV	0.50MΩ~2.00TΩ	>5mA
9600B	250V, 500V, 1KV, 2.5KV, 5KV, 10KV	0.50MΩ~5.00TΩ	>5mA

Insulation Resistance Range and Accuracy

Rated Voltage	Insulation Resistance Range	Accuracy
250V	0.50MΩ ~ 10.0GΩ	±5%±3dgt
	10.0GΩ ~ 50.0GΩ	±10%±3dgt
	50.0GΩ ~ 100GΩ	±20%±3dgt
500V	1.00MΩ ~ 20.0GΩ	±5%±3dgt
	20.0GΩ ~ 100GΩ	±10%±3dgt
	100GΩ ~ 200GΩ	±20%±3dgt
1KV	1.00MΩ ~ 50.0GΩ	±5%±3dgt
	50.0GΩ ~ 200GΩ	±10%±3dgt
	200GΩ ~ 500GΩ	±20%±3dgt
2.5KV	1.00MΩ ~ 100GΩ	±5%±3dgt
	100GΩ ~ 500GΩ	±10%±3dgt
	500GΩ ~ 1.00TΩ	±20%±3dgt
5KV	1.00MΩ ~ 200GΩ	±5%±3dgt
	200GΩ ~ 1.00TΩ	±10%±3dgt
	1.00TΩ ~ 2.00TΩ	±20%±3dgt
10KV	1.00MΩ ~ 500GΩ	±5%±3dgt
	500GΩ ~ 2.00TΩ	±10%±3dgt
	2.00TΩ ~ 5.00TΩ	±20%±3dgt

1 TΩ (Tera ohm) =1000GΩ=10¹²Ω
1 GΩ (Giga ohm) =1000MΩ=10⁹Ω
1 MΩ (Mega ohm) =1000KΩ=10⁶Ω

Technical Specification

Model of Series	
Function	Insulation resistance measurement (IR); polarization index measurement (PI); absorption ratio (DAR); filtered resistance test (four time selection 10S,20S,30S,40S). Voltage measurement(V); Leakage current measurement (nA)
Power Supply	Rechargeable lithium battery 5.2Ah
Rated Voltage	9600: 250V, 500V, 1KV, 2.5KV, 5KV 9600B: 250V, 500V, 1KV, 2.5KV, 5KV, 10KV
Output Voltage Accuracy	(5%~10%) ±10V
Insulation Resistance Test Range	9600: 0.50MΩ~2.00TΩ 9600B: 0.50MΩ~5.00TΩ
Output Short Circuit Current	>5mA
Polarization Index Test	YES
Dielectric Absorption Ratio Test	YES
Ramp Test Mode	Step up to the preset voltage by testing with 10% stepped size of the preset voltage.
Filtered Resistance Test Mode	10S、20S、30S、40S four selections
Voltage Test	Range: AC/DC:0V~1000V; Accuracy: ±5%rdg±3V
Current Test	Range: 0.01nA~5mA; Accuracy: ±5%rdg±0.5nA
Voltage Monitor	Monitor the voltage of the measured object, and monitor discharge status after test, forbidden to test when voltage exceed 36V, protect instrument and operator.
Test Timer	Automatic record test time, time range: 0s~9999s
Storage Function	Automatically store the test data with test date and time, total of 1000 groups
Upload Function	Upload the stored data to computer via USB communication cable.
Battery Power Display	With battery power display, when battery voltage low will remind to replace the battery
Automatic Shutdown	After 15 minutes start up will shut down automatically without any operation
Meter Dimension	280mm×260mm×160mm
Meter Weight	4400g (include the battery)
Test Wires	Red color high voltage test wire 1 pcs (with alligator clip 1PCS and hook 1PCS), green color test wire 1PCS, black color test wire 1PCS
Protection Level	Close the case IP65, open the case IP40
Working Environment	-20℃~50℃; 80%rh
Store Environment	-25℃~65℃; 80%rh
Insulation Resistance	50MΩ (1000v) (between the test circuit and shell)
Withstand Voltage	AC 3Kv 50Hz 1min (between the test circuit and shell)
Suitable Safety Standard	IEC61010-1, IEC61326-1



9600/9600B