

High Precision Battery Internal Resistance Instrument

1. Material code			BT-9562		
2. Performance parameter					
2.1 Measure the project			Internal resistance / Voltage / Reactance / Impedance / Impedance phase angle		
2.2 Measurement method			AC 4-terminal method (1kHz±0.02Hz)		
2.3 Rated voltage	Rated input voltage		DC±60V		
	Maximum rated voltage to the ground		DC±70V		
2.4 Input impedance			About 200 kΩ		
2.5 Sample rate			1~50PLC（50Hz, 1PLC=20ms; 60Hz, 1PLC=16.67ms）		
2.6 Trigger source			Internal / External		
2.7 Trigger delay			Delay time: 0~9.999s		
2.8 Mean filter			1~16 times		
2.9 Computational function			Total data, valid data number, maximum, minimum, mean, standard deviation, main standard deviation, Cp, CpK (engineering capability index)		
2.10 Peripheral interface			100M Ethernet、RS-232C、USB		
2.11 Outside I/O			2 input (for triggering input), 4 output (for battery sorting)		
2.12 Measurement value storage function			1,000,000 groups		
2.13 Parameter read and save			The 1,000 sets of comparator settings		
2.14 Other functions			Excessive range display, Measurement anomaly detection, Self-calibration, Lock key		
2.15 Impedance measurement (0~3 Ω)	range	indication range	resolution ratio	measuring current	accuracy
	3mΩ	-3.3~3.3mΩ	0.1μΩ	250mA	±0.4%
	30mΩ	-33~33mΩ	1μΩ	100mA	±0.3%
	300mΩ	-330~330mΩ	10μΩ	10mA	±0.3%
	3Ω	-3.3~3.3Ω	0.1mΩ	1mA	±0.3%
2.16 Phase position	indication range		resolution ratio		
	-180 ° ~180 °		0.01 °		
2.17 Voltage measurement (0~60V)	range	indication range	resolution ratio	accuracy	
	6V	-6.6~6.6V	10μV	±0.01%	
	60V	-66~66V	100μV	±0.01%	
3. Work environment requirements					
3.1 Use the temperature and humidity range			0℃~40℃, 80% RH (no condensation)		
3.2 Save the temperature and humidity range			-10℃~50℃, 80% RH (no condensation)		

3.3 Precision guarantees the temperature and humidity range	23°C±5°C, below 80% RH (no condensation)
3.4 Applicable place	Indoor use, height below 2000m
3.5 Nominal power supply voltage	AC 110V/AC220V
3.6 Rated power frequency	50/60Hz
3.7 Power rating	45VA
4. Appearance and size	
4.1 Equipment size (W * D * H) (mm)	Approximately 220 * 300 * 80
4.2 Weight	About 2.5kg