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（0~3Ω）	range	indication range	resolution ratio	measuring cuttent	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)

Web: neware.co.kr Tel: 010-9345-0834 E-mail: sales@neware.co.kr

3.3 Precision guarantees the temperature and humidity range	23℃±5℃, 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

Web: neware.co.kr Tel: 010-9345-0834 E-mail: sales@neware.co.kr