Ainuo **Battery Tester Product Series**

ANBTS7610(F) Series 7½-Digit DC Voltmeter



Product Overview /

ANBTS7610(F) Series DC Voltmeter, through a highly stable reference voltage source, automatic calibration technology and strong anti-interference capability, provides DC voltage measurement with 20PPM basic accuracy and 7½ high resolution; suitable for open circuit voltage measurement (OCV) of lithium battery cells, modules and packs.

Product Features /

- High precision measurement: 7½-digit high resolution, 9PPM basic accuracy (10V voltage range).
- High-stability reference: A high-stability reference voltage source with low temperature drift lays the foundation for precise measurement.
- Self-calibration function: Eliminate the influences of circuit offset, noise, and temperature drift to ensure long-term stability.
- Temperature compensation: Through the measurement of ambient temperature, the voltage is automatically corrected to the room temperature voltage.
- Simple and easy to use: Touch screen operation, provided with multiple interfaces including RS232, LAN, USB, I\O.

Product Application /

- Scene 1: K value screening: Cell battery aging, high-accuracy voltage measurement, rapid screening of poor K-value, and improvement of test efficiency.
- Scene 2: consistency screening: For the batteries at the end of the production line and those in module and PACK when they are put into production, voltage consistency sorting is carried out to achieve precise matching.
- Scene 3: battery maintenance: With a wide measurement range from as low as 10 mV to as high as 1000 V and high-accuracy measurement, it can quickly locate the faulty batteries.
- Scene 4: battery R&D: with high accuracy, high resolution, high stability, and being simple and easy to use, it is an excellent tool for R&D, test and analysis.

Technical Specifications /

Model	ANBTS7610(F) (7½-digit)		ANBTS7610B(F) (6½-digit)		Input Impedance	Measurement Accuracy	
	Display Range	Resolution	Display Range	Resolution		6½-digit	7½-digit
100mV	±120.000 00mV	10nV	±120.000 0mV	100nV	> 10GΩ/10MΩ	±(0.0030%rd + 2μV)	± (0.0015%rd + 2μV)
1000mV	±1200.000 0mV	100nV	±1200.000 mV	1μV	> 10GΩ/10MΩ	±(0.0020%rd + 3μV)	± (0.0011%rd + 3μV)
10V	±12.000 000V	1μV	±12.000 00V	10μV	> 10GΩ/10MΩ	±(0.0020%rd + 12μV)	±(0.0009%rd + 12μV)
100V	±120.000 00V	10μV	±120.000 0V	100μV	10MΩ	±(0.0030%rd + 0.8mV)	±(0.0020%rd + 0.8mV)
1000V	±1100.000 0V	100μV	±1100.000 V	1mV	10MΩ	±(0.0030%rd + 2mV)	±(0.0025%rd + 2mV)
Other Functions	Temperature compensation, contact detection, FIR data filtering etc.;RS232, LAN, USB, I\O, PLC and other interfaces, protocol compatibility						
Dimensions(W*H*D mm)	213*88*300						

* For the detailed parameter specifications table, please contact your regional sales representative.