TEKON® 950 Battery Quality Analyzer

Designed to apply at Various Facilities and Systems where battery is installed, especially Back Up battery power supply system of Electric Power facility and Electric Vehicles which use Battery as main power supply. The Analyzer performs analyze and evaluate Installation & Management status and performance of the battery system to prevent from electric system trouble and mal functions.

Key Features

Impedance Measurement : Max200V/DC(A), 400V/DC(B)
Impedance Measurement Mode
: Impedance + DC Voltage + Temperature
DC Voltage + Ripple Voltage simultaneous Measurement
DC Voltage + DC Current simultaneous Measurement
AC Voltage + AC Current simultaneous Measurement
Ripple Current, Floating Current Serial Measurement
Battery life estimate
Capacity Analyzer(charging/discharging test)(TEKON950B)
UPS system check
Check installation environment status and safety of battery unit
Bluetooth : PC Interface, measurement data E-Mail transmit
Safety : CAT III 500V (CE)

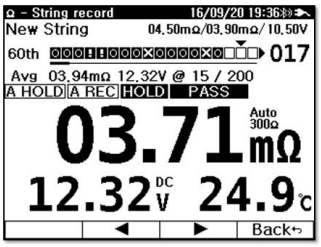
Additional Function

Bluetooth Interface : E-mail transmit, PC Interface,
Battery deterioration trend analysis and estimate
Battery Change time through 4" LCD display
Battery charging rate and efficiency measurement
Data record : 8MB(Max 250 String)

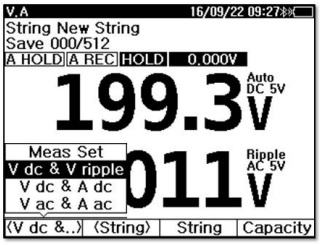
Product Standard and Power Supply

Dimension : 232(L)×192(W)×111(H)m/m
LCD Module : 4" Graphic Module
Power : 7.4V/5.4A(Li-ion), 12V/2.5A Adaptor
Battery life : > 8hr

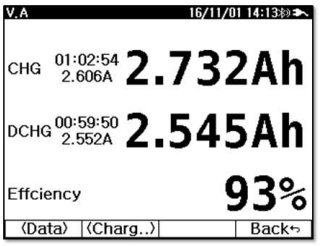
Impedance



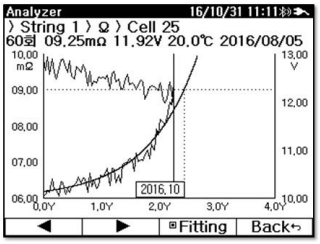
DC/V+ Ripple /V



Capacity



Battery change time estimate



Electrical Specifications

Impedance measurement
- Range : 3mΩ ~ 300Ω(6 range)
- Accuracy : ±0.8%rdg±10dgts
- Battery Pack Testing Voltage : Max400V/DC

DC Voltage Measurement
- Range : 5V ~ 500V(3 range)
- Accuracy : ±0.5%rdg±5dgts

AC Voltage Measurement
- Range : 500V(1 range)
- Accuracy : ±0.75%rdg±5dgts(40Hz~500Hz)

AC Ripple Voltage Measurement
- Range : 0~5V(1 range)
- Accuracy : ±2.5%rdg±10dgts(Max 10kHz)

DC/AC Current Measurement
- Range : 4A, 40A, 400A, 1,000A,
- Accuracy : ±0.5%rdg±5dgts + CT Tolerance

Temperature Measurement(NTC Sensor)
- Range : -10˚C ~ 100˚C
- Accuracy : ±1˚C ±2dgts