

Portable Ultracapacitor Tester



Maintenance
Solutions



BONITRON

M3628PUT Series

As ultracapacitors age and approach their end-of-life, their equivalent series resistance (ESR) rises and their capacitance drops significantly below the original specification. These capacitors typically need replacement to avoid process failure. Measuring capacitance and ESR helps determine when these capacitors reach end of life, avoiding both process failure and expensive, unnecessary preemptive replacement.

The Bonitron M3628PUT allows the user to charge a capacitor or bank to a specified voltage, and then discharge the bank. The display will then show the calculated capacitance and ESR of the bank.

Product Highlights

- Charges, discharges, measures ultracapacitors
- Variable output voltage: 0 - 130 VDC
- Digital control interface
- Operates from standard 110 - 240VAC supply
- Tough impact and weather resistant case

Industry Applications



Assembly Lines | Centrifuges | Conveyors | Cranes | Dynamometers | Elevators | Hoists | Pick and Place | & More!



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Model Number Selection

| | Model Number | Input Voltage | Output Voltage | Output Current | Min. Load Capacitance | Max. Load Capacitance |
|--|------------------|---------------|----------------|----------------|-----------------------|-----------------------|
| | M3628PUT-U07-110 | 110 - 120 VAC | 0 - 130 VDC | 1 - 7 ADC | 1 F | 500 F |
| | M3628PUT-U07-220 | 220 - 240 VAC | | | | |

Advantages

- Accurate capacitance and ESR measurement
- Overcurrent and over temperature protection
- Quick charge and discharge of ultracapacitors
- Portable - case on wheels

Benefits

- Measuring aging capacitors helps avoid pre-emptive replacement
- Quick verification of both new and stored capacitors
- Decreases maintenance time and cost

Dimensions



Specifications

- Maximum Discharging Time**..5 minutes
- Max Load Energy**.....500kJ
- Minimum Cycle Voltage**....10VDC
- Controls, Displays**..... 6 - Button Interactive Digital Display
- Dimensions**.....10.5"H x 22.0"W x 18.0"D
- Weight**.....50 lbs.
- Storage Temp**.....-20°C to +65°C
- Humidity**.....Below 90% non-condensing
- Atmosphere**.....Free of corrosive gas and conductive dust

Scan for more information

