

INSULATION RESISTANCE MEASURING INSTRUMENT FOR BATTERY PRODUCTION & TESTING

RESISTOMAT® 2411

high speed, fieldbus compatible, precise



- ⚡ Detect separator damage, metal contamination, incomplete electrode insulation prior to electrolyte filling
- ⚡ Insulation measurement between high-voltage busbar and battery ground
- ⚡ Riso measurement between battery pole and chassis, and much more

Highlights

- Extremely fast measurement and evaluation
- Minimal discharge times for residual voltage
- Configurable measurement sequences and operating modes
- Pass/fail indication via limit values
- PROFINET for easy control system integration
- Broken lead detection and more

Features

- Measurement ranges 0 ... 100 mΩ to 100 GΩ
- Measurement time from 10 ms
- Measurement accuracy starting at 0.1 % of measured value
- Test voltages from 10 V DC to 1000 V DC adjustable in 1 V steps
- Voltage measurement 0 to ±8 V DC

Performance in every process phase R&D, testing, production, assembly

- ⚡ Increased productivity with very short measuring times, cascading capability and easy control system integration
- ⚡ Precise measurement results using innovative measurement method

Faulty or insufficient insulation can have serious impacts on the service life, aging process and performance of individual cells or complete high-voltage battery modules. These impacts are safety-relevant, pose a fire hazard, and may have life-threatening consequences. Avoid them in advance.