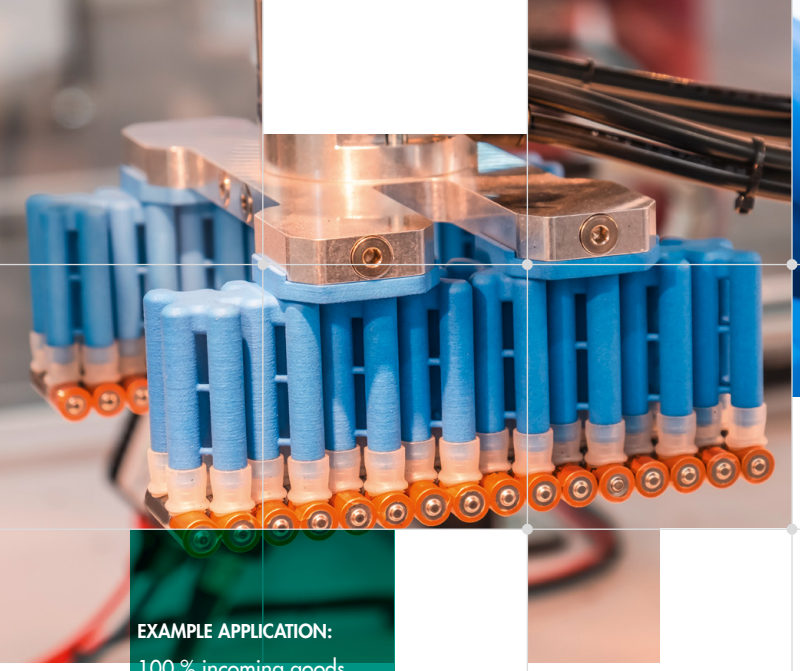
burster

BATTERY MEASUREMENT SOLUTIONS

FOR ALL AREAS OF INDUSTRIAL AUTOMATION



EXAMPLE APPLICATION:
100 % incoming goods testing for prismatic cells

BATTERY MEASUREMENT SOLUTIONS FOR AUTOMATED MASS PRODUCTION

High-speed, multi-channel, bus-compatible, compact

KEY FACTS:

- AC/DC internal resistance measurement, open-circuit and module voltage measurement, temperature measurement
- Impedance measurement 1 kHz, optionally 1 Hz, 10 Hz, 100 Hz as well
- Four-wire measurement method

Battery Measuring Module 2511

USB Ethernet PROFINET EtherCAT

EXAMPLE APPLICATION:
Inline contact resistance measurement to detect defective welded joints on cell contact lugs

RELIABLE AND REPRODUCIBLE DETECTION OF CONTACT RESISTANCES ON BATTERY CONTACT LUGS

Innovative, universal, precise, real-time data transfer

KEY FACTS:

- Measurement accuracy 0.03 % F.S. even in µΩ range, temperature compensation for all materials
- Measurement/evaluation time from 10 ms
- Thermal EMF compensation, input protection up to 400 V_{eff}

RESISTOMAT® 2311

PROFINET

EXAMPLE APPLICATION:
High-impedance safety measurement on insulated busbars

INSULATION RESISTANCE MEASUREMENT BETWEEN ELECTRICAL COMPONENTS AND VEHICLE FRAME

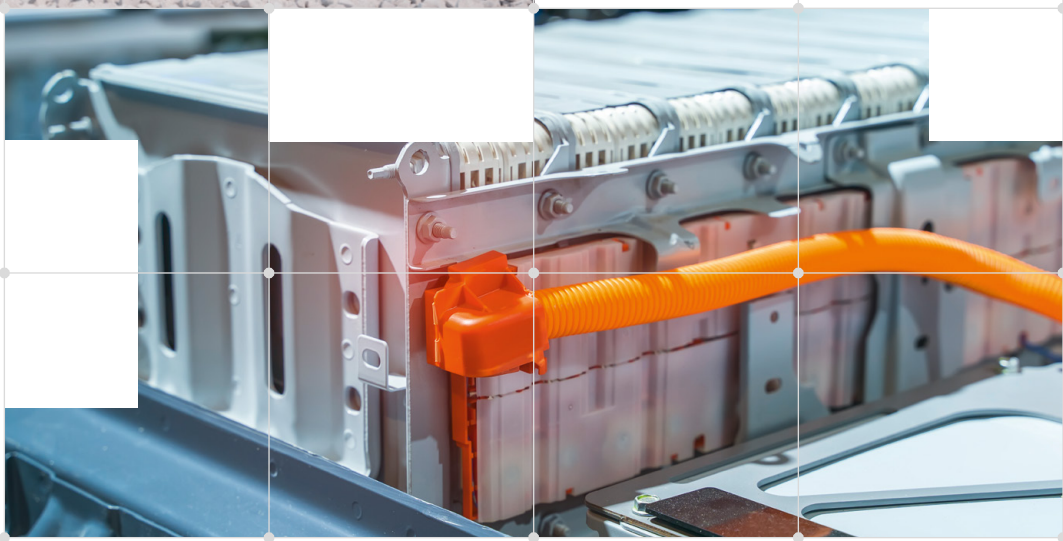
High-precision, fast, fieldbus-compatible, multi-functional

KEY FACTS:

- Measurement ranges 0 … 100 mΩ to 100 GΩ
- Test voltage up to 1000 V DC
- Broken lead detection

RESISTOMAT® 2411

PROFINET



CUSTOMER SERVICES
WE'RE HERE TO HELP

A complete measurement solution also includes a high-quality service offering. That's why burster offers comprehensive service packages for battery measurement. Modular components for planning, implementation and operation cover all relevant aspects of your task.

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