

INNOVATIVE RESISTANCE MEASURING TECHNOLOGY

RESISTOMAT® 2311



The new RESISTOMAT® 2311 has been designed and optimised for very fast applications in automation. High performance, combined with innovative functional features and exceptional precision, make it ideal for a wide range of tasks in peripheral areas of industrial battery module manufacturing, where 100 % process monitoring with real-time data transfer to higher-level controllers is required.

Highlights

- Extremely fast measurement, including evaluation ≥ 10 ms
- Extremely high measuring accuracy 0.03 % of reading
- Real time fieldbus data transmission
- 32 measuring programs for a wide range of parts

Features

- Measuring ranges of 0 ... 20 m Ω to 200 k Ω
- Thermoelectric voltage compensation and dry circuit measurement in accordance with DIN IEC 512
- Temperature compensation for all materials
- Process implementation via PROFINET, I/O interface, fast and reliable

Areas of application

- Determination of contact resistances in battery pack production
- Checking of laser welding connections on contact lugs
- Resistance measurement of fuses or heating wire coils
- Resistance determination of solenoid coils

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