The most compact and accurate meter for train energy-consumption mapping

Our Energy Micrometer is the perfect solution to accurately measure energy consumption across multiple subsystems in trains.

**PRODUCT FEATURES**

- Ultra-compact 4 input channel energy meter
- Single-phase or multi-phase, AC/DC
- Auxiliary power supply integrated for sensors
- Compliant with all relevant rail directives
- Ethernet / RS485 communication / option MVB

**CUSTOMER BENEFITS**

- Complete, accurate overview of energy consumption
- Provides data for energy management, savings, and maintenance
- Easy installation
COMPLETE SOLUTION PORTFOLIO FOR EASY INTEGRATION ON ROLLING STOCK

Class 0,5R
Energy consumed/regenerated every second

SPECIFICATIONS

- Hall effect sensors
- AC & DC measurement
- MSV voltage sensor, 950 - 5000 VAC/DC
- MSA current sensor, 100 - 2000 AAC/DC
- Closed loop system
- Overall accuracy MSA ± 0.5%, MSV ± 1%
- Linearity <0.1%
- Operating temperature -50 °C to +85 °C
- Auxiliary supply ± 15 VDC or ± 24 VDC

- 4-input energy meter
- 100 V; 100 mA; 5 A; 1 A compliant
- Up to 3 calculation channels Compliant with 3-phase
- Class 0.5R energy calculation every second Energy consumed/regenerated, active/reactive Digital output
- Ethernet 10/100M
- RS485
- MVB option
- Including ± 15 VDC power supply on each channel Full range 24-110 VDC general power supply

CONTACT

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