



PSM 2.1

Single Phase Portable Standard Meter for testing of electricity meters



The PSM 2.1 Portable Standard Meter is a single-phase portable electronic meter test unit, class 0.5 (optionally class 0.2) for use as a working standard to test single-phase electricity meters on site.

Due to the current connection via clip-on CT (current clamp) in the range of 10 mA ... 100 A it is possible to measure meters with both ease and accuracy. The unit is powered by the measuring circuit.

Advantages

- Precision test equipment for AC values in the 45 Hz to 66 Hz frequency range
- Wide measuring range with auto ranging
- Easy detection of circuit connection faults
- Data memory
- Small dimensions and light in weight
- Serial interface for data transfer (RS 232)

Functions

- Active, reactive and apparent energy measurement with integrated error calculator
- Impulse output for energy (galvanic isolated)
- Registration of active, reactive and apparent energy with start/stop function for register test
- Active, reactive and apparent power measurements
- Current and voltage measurements
- Power factor measurements
- Frequency measurements

Applications

- On-site test of electricity meters

Options

- Accuracy class 0.2
- Scanning head (SH 2003) with scanning head carriage
- CALSOFT I read out software for transfer and presentation of data