

CheckMeter 2.1

Single-phase Portable Working Standard for Testing of Electricity Meters



The CheckMeter 2.1 Portable Working Standard is a single-phase portable electronic meter test unit of accuracy class 0.2%, used for testing single phase electricity meters on site.

The unit can be used with an active error compensated clamp-on CT 100A (range: 10 mA ... 100 A / cable \varnothing : max. 11 mm).

Advantages

- Precision test equipment for AC values in the 45 Hz to 66 Hz frequency range
- LCD display $\frac{1}{4}$ VGA (240 x 320 Pixels) with graphical user interface
- Wide measuring range with auto ranging
- Display of vector diagram for analysis of mains conditions and meter connections
- Measurements of wave forms and harmonics with display
- Easy detection of circuit connection faults
- Data memory for test results and customer data
- Small dimensions and light in weight
- Serial interface (RS 232) for data transfer

Functions

- Active, reactive and apparent energy measurement with integrated error calculator
- Impulse output for energy (galvanic isolated)
- Registration of active, reactive and apparent energy for register testing
- Active, reactive and apparent power measurements
- Current and voltage measurements
- Phase angle measurement
- Power factor measurement
- Frequency measurement

Options

- Software CALSOFT for memory readout, online data logging, presentation and printout of results and customer data.
- 1 clamp-on CT 1000A (Measuring range: 10 mA ... 120 A, cable \varnothing : max. 52 mm)