

Code:

Description

Portable power analyzer for measuring and recording all electrical parameters in singlephase, two-phase and three-phase networks. Measures leakage currents, power quality parameters and records transients. AR6 is an integral tool for problem diagnosis and detection in any electrical installation and can also be used to prepare energy studies.

Application

- High-accuracy energy-consumption studies
- Detection of problems relating to electrical protection elements
- Analysis of power quality and transient phenomena
- Local recording of start-up currents and other variables of interest on the unit



Code:

Specifications

DC power supply

| | |
|-----------------|--------|
| Consumption | 30 VA |
| Current | 2 A |
| Nominal voltage | 12 Vdc |
| Maximum power | 24 W |

Environmental characteristics

| | |
|--|--------------|
| Relative humidity (without condensation) | 5...95 % |
| Storage temperature | -10...+60 °C |
| Working temperature | -15...+50 °C |

Mechanical characteristics

| | |
|-------------|----------------------------|
| Envelope | Double insulation class II |
| Weight (kg) | 4 |

Specific technical characteristics of current sensors

| | |
|----------------|-----|
| Output voltage | 2 V |
|----------------|-----|

Current measurement circuit

| | |
|-------------------------------|--------------------|
| Phase current measuring range | 1...120 % of I_n |
| Allowable overload | 3 I_n |

Voltage measurement circuit

| | |
|---------------------------------------|----------------------|
| Consumption | $\leq 0,04$ VA |
| Input impedance | 10 M Ω |
| Nominal voltage | 10...800 VRMS (Ph-N) |
| Maximum permanent measurement voltage | 1000 VRMS |

Standards

| | |
|--|--|
| Electrical safety, Maximum height (m) | 2000 |
| Electrical safety, Installation category | 1000V CAT III / 600V CAT IV for elevations below 2000 m ; 1000V CAT II / 600V CAT III / 300V CAT IV for above 2000 m |

User interface

| | |
|---------------------------|----------|
| Display format | RGB 262k |
| Display type | VGA |
| Visible display area size | 5,7" |

Measurement accuracy

| | |
|-----------------------------------|-------|
| Phase current measurement | 0.5 % |
| Reactive power measurement (kvar) | 1 % |



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| | |
|----------------------------------|-------|
| Apparent power measurement (kVA) | 1 % |
| Active energy measurement (kWh) | 1 % |
| Active power measurement (kW) | 1 % |
| Phase voltage measurement | 0.5 % |

Includes voltage cables, alligator clips, battery, power supply and PowerVisionPlus software