



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is gives as [% readings + (number of digits) \* resolution] at 23°C ± 5°C ; <80%HR

### AC TRMS Current

| Range | Resolution | Accuracy               | Bandwidth | Max input current |
|-------|------------|------------------------|-----------|-------------------|
| 300mA | 0.1mA      | $\pm(1.5\%rdg + 8dgt)$ | 50 ÷ 60Hz | 3Arms             |
| 3A    | 0.001A     |                        |           | 30Arms            |
| 30A   | 0.01A      |                        |           | 300Arms           |
| 300A  | 0.1A       |                        |           | 3000Arms          |
| 3000A | 1A         | $\pm(2.0\%rdg + 8dgt)$ |           |                   |

### DC analogical output

| Range | Ratio     | Accuracy (50 ÷ 60Hz) | Bandwidth | Max input current |
|-------|-----------|----------------------|-----------|-------------------|
| 300mA | 1mV/1mA   | $\pm(1.5\%FS)$       | 50 ÷ 60Hz | 3Arms             |
| 3A    | 1mV/0.01A |                      |           | 30Arms            |
| 30A   | 1mV/0.1A  |                      |           | 300Arms           |
| 300A  | 1mV/1A    |                      |           | 3000Arms          |
| 3000A | 1mV/10A   |                      |           |                   |

FS = full scale of meter

### Internal Filter

| Type of filter | Cut off frequency |
|----------------|-------------------|
| Low-pass       | 150Hz             |



## 2. GENERAL SPECIFICATIONS

### Features

|                               |                                          |
|-------------------------------|------------------------------------------|
| Block of readings at display: | Data HOLD                                |
| Low pass filter:              | 150Hz to erase harmonic components       |
| DC analogical output:         | to connection with external data loggers |

### Mechanical specifications

|                               |                           |
|-------------------------------|---------------------------|
| Dimensions:                   | 341(L) x 194(W) x 52(H)mm |
| Weight (including batteries): | 1.9kg                     |
| Max conductor size:           | 108mm                     |

### Power supply

|                          |                                         |
|--------------------------|-----------------------------------------|
| Power supply:            | 2x1.5V batteries type AAA LR03          |
| Low battery indications: | symbol “ $\pm$ ” at display             |
| Life battery:            | about 200 hours of continuous operation |
| AutoPowerOFF:            | after 10 minutes of idleness            |

### Display

|                       |                                         |
|-----------------------|-----------------------------------------|
| Features:             | LCD, 4 dgt, 3200 points + decimal point |
| Sampling rate:        | 2 times/s                               |
| Overrange indication: | “OL” message at display                 |
| Conversion mode:      | TRMS                                    |

### Climatic conditions

|                        |             |
|------------------------|-------------|
| Reference temperature: | 23° ± 5°C   |
| Operating temperature: | 0 ÷ 40 °C   |
| Operating humidity:    | <80%RH      |
| Storage temperature:   | -10 ÷ 60 °C |
| Storage humidity:      | <80%RH      |

### Reference standards

|                      |                                   |
|----------------------|-----------------------------------|
| Safety:              | IEC/EN61010-1 ; IEC/EN61010-2-032 |
| Insulation:          | double insulation                 |
| Pollution level:     | 2                                 |
| Max height of use:   | 2000m                             |
| Category of measure: | CAT II 600V – CAT III 300V        |

This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC