



MPU-1

Indeks: WMGBMPU1

Leakage current alarm signaler

Description

MPU-1 is dedicated to control (measure) leakage current in AC, low and medium voltage power networks. It is designed to make measurements, which results define network's safety condition for leakage current. The device enables to set limit for maximum safe value of flowing leakage current and for values above this limit visual and sound alarm is activated.

The most important features of MPU-1 are:

- Constant controlling of current flowing on earthing,
- Measurement with the use of single clamp or two clamps simultaneously. In case of using two clamps, current value is summed up, which allows for checking twin pylons (rotational), with independent clamp for each component pylon,
- Work mode LED indicator,
- Visual and sound alarm (speaker built in cover) in case of higher value of leakage current than defined limit (factory default set to 1A),
- No DC current measurement,
- Measurement with flexible clamps (Rogowski coil) – Sonel F series,
- Measurement in 50 Hz or 60 Hz frequency low and medium voltage networks,
- Auto ranging,

- Battery level monitoring,
- Ergonomic handling.
- MPU-1 for operation requires F1, F-2 or F-3 clamp (additional accessories).

Technical Specification

Leakage current measurement with clamp:

Display range	Resolution	Accuracy
0,1..9,9 A	0,01 A	$\pm(5\% \text{ m.v.} + 2 \text{ digits})$
10..299 A	0,1 A	$\pm(5\% \text{ m.v.} + 2 \text{ digits})$

- frequency: 50Hz or 60Hz
- F-1 clamps

Technical specifications:

- Insulation type.
- Measurement category.
- Degree of housing protection acc. to EN 60529: IP67.
- Max. noise voltage AC+DC, for which measurement is possible: 24 V.
- Max. measured noise voltage: 100 V.
- Power supply: SONEC battery package NiMH 9,4V 2,4Ah.
- Operating time for standby mode: >20h.
- Operating time for alarm mode: >3h.
- Dimensions: 125 x 150 x 95 mm.
- Weight (including battery): ok. 1,1 kg.
- Working temperature: -10..+50 °C.
- Charger working temperature: +10..+35 °C.
- Reference temperature: 23 \pm 2 °C.
- Storage temperature: -20..+80 °C.
- Relative humidity: 20..85%.
- Relative nominal humidity: 40..60%.
- Altitude (above sea level): <2000m.
- Quality standard: design and manufacturing are ISO 9001 compliant.

- The product meets EMC requirements (immunity for industrial environment) according to the following standards: EN 61326-1:2006 and EN 61326-2-2:2006.