

MAP607

Single-phase voltage quality analyzer



Plug & Play,
very easy to set up

Reliable measurement
compliant with
EN61000-4-30 **Class A**

Real-time indication of
network quality
(LED on front panel)

A logger **which anyone can
use to find out everything**
about the disturbances on
your network

Measure up



General specifications

- 2 voltage channels: phase/neutral and neutral/earth
- Plug & play: no driver needed
- USB 2.0 communication port
- Configuration for voltage dips, voltage surges and transient disturbances
- Class A according to IEC 61000-4-30
- Measurement of all the power quality parameters according to the predefined standard (EN 50160, etc.)
- Indication of network conformity by a green LED (parameters OK) or a red LED (outside template)

Inputs	
Voltage input (Phase/Neutral)	0-300 V RMS
Voltage input (Neutral/Earth)	0-300 V RMS, 700 Vpk
Power supply	
Power supply range	Power supply via voltage input
Internal backup	Yes
Compliance with the standards	
Floating reference	Yes
IEC 61000-4-30, Class A (reference equipment)	Accuracy < 0.1%
IEC 61000-4-7	Measurement of harmonics
IEC 61000-4-15	Flicker measurement
EN 50160	Calculated in the unit
PQDIF format	Available as an option
Hardware	
Storage	64 MB circular flash memory (NAND)
Sampling frequency	12.8 kHz (x2)
Accuracy	Class A - < 0.1 %
Resolution	16 bits
Input impedance - Input voltage	10 mΩ
Anti-aliasing filter	Yes
Bandwidth	3.5 kHz
PLL synchronization	Yes
Communication	
USB port	2.0 (Full-speed) for PC connection Automatic detection No driver necessary
Measurement specifications	
All the power quality parameters are measured and stored	Voltage (avg/min/max), Frequency, THD, Harmonics (up to 50th order), Flicker (Ifl, Pst, Plt)
Analysis of rapid disturbances	Dips / Overvoltages (1/2 cycle rms) Transients
Capture of waveforms	Programmable post and pre-time Max. duration 200 cycles
Mechanical specifications	
Casing	For 230 V EUR socket
Dimensions (LxHxW)	120 x 65 x 65 mm
Weight	0.3 kg
Operating temperature	-10 °C to +55 °C

Analysis and management software

Qual-SRT

Configuration and real-time display for «online» display of:

- Measurements from the MAP607's two channels
- Number of dips / overvoltages / long outages / brief outages / transients recorded
- Global status of the last EN50160 report
- Memory occupation rate
- Equipment date and time



Qual-View

Analysis and report generation module

- Display of all the trend curves generated by the equipment
- Possibility of zooming and graphical display of the limits of the power-quality template for each parameter
- Event-based views including event signature, waveform and time/date-stamped events log
- Possibility of applying a power-quality template for the measurement campaign



These 2 software products can be downloaded free of charge from the support area of the Enerdis website
www.enerdis.com/en/support

To order

Package containing:

- MAP 607
- Mini-USB cable
- Qual-View and Qual-SRT software
- Carrying case

Ref. : MAP607-P



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