MAP 607

Single-phase analyzer – Class A

- 2 voltage channels: phase/neutral and phase/neutral-earth
- Plug & play: no driver required
- USB 2.0 communication port
- Configuration for voltage dips, overvoltages 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.)
- Direct indication on the product:
  Green LED: parameters OK
  Red LED: parameters outside profile

Management and analysis software

- Qual-SRT: configuration and real-time display
- Qual-view: analysis and reports

Inputs			
Voltage input (Phase-Neutral)	0-300 V RMS	Standard measurement (Class A)	1
Voltage input (Phase/Neutral-Earth)	0-300 V RMS, 700 Vpk		1
Power supply			
Power supply range		Power supply via voltage input	Yes
Internal back-up			Yes
Compliance with standards			
Sliding reference			Yes
IEC 61000-4-30, Classe A	< 0.1%	Reference equipment	Yes
IEC 61000-4-7		Measurement of harmonics	Yes
IEC 61000-4-15		Flicker measurement	Yes
EN 50 160 (European Norm)		Calculated in the unit	Yes
PQDIF format			Option
Hardware			
Memory		Circular Flash Memory (NAND)	64 MB
Sampling rate			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, detected automatically Driver not required	Yes
Measurement specifications			
All power quality parameters are measured and stored		Voltage (avg/min/max), Frequency, THD, Harmonics (up to 50th order), Flicker (Lfl, Pst, Plt)	Yes
Analysis of rapid disturbances		Dips/swells (RMS 1/2 cycle), transients	Yes
Waveform capture		Programmable pre-time and post-time	Max. duration 200 cycles
Mechanical specifications			
Housing	For 230 V socket	Humidity: 10% - 85% without condensation	
Dimensions (L x H x D)	120 x 65 x 65 mm		
Weight	0.3 kg	Safety: EN 61 010-1	
Operating temperature	-10°C +55°C	EMC: EN 58 081-1,2; EN 50 082-1,2	

TO ORDER

Model	Reference
Single-phase analyzer	MAP 607
Communication cable	USB 2.0
Configuration and real-time display software	Qual-SRT

Model	Reference
Analysis software	Qual-view
Carrying case	CASE 607

► Associated products

Management and analysis software

► page 78

Software for MAP 607

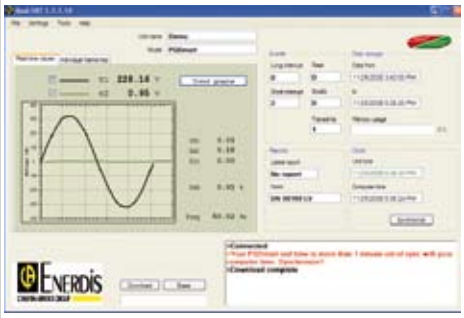
Qual-SRT and Qual-View

Qual-SRT and Qual-View are dedicated software modules for the MAP607 single-phase network analyzer.
Qual-SRT: configuration and real-time display module for "online" display of:

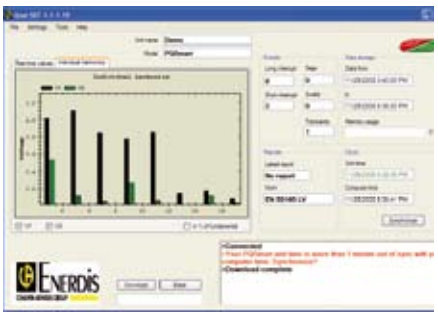
- the measurements on the MAP607's two channels
- the number of dips / swells / long interruptions / short interruptions / transients recorded
- the overall status of the last EN 50160 report
- the memory occupation rate
- the equipment date and time

Dynamic views are also available: trend curve (logger-type view) and bargraph of harmonics up to the 50th order. Thanks to the ultra-fast self-declaring USB 2.0 link, this module can also be used for almost instantaneous recovery of the data and deletion of the data from the equipment.

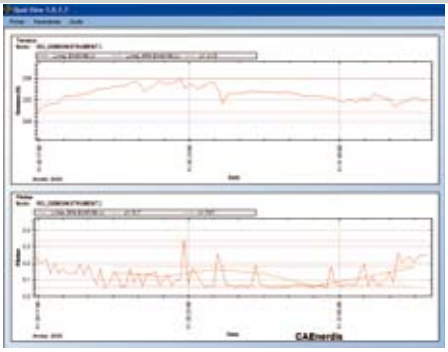
Qual-View: analysis and report generation module for MAP607-type data.
This provides a view of all the trend curves generated by the equipment and includes zoom and graphic display functions concerning the limits of the power quality profile for each parameter.
Event-related views such as event signatures, waveforms and time/date-stamped event log can also be obtained using dedicated tabs in the Qual-View software. It is possible to apply a power quality profile to the measurement campaign retrieved from the MAP607.



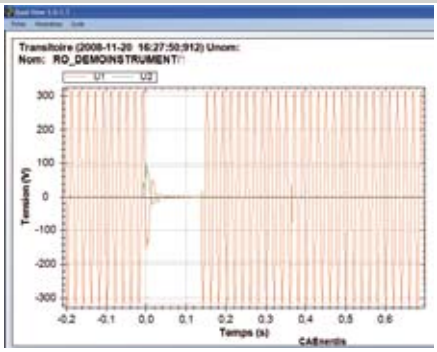
Qual-SRT: real-time display of the waveform in connection with a MAP607



Qual-SRT: real-time display of harmonics bargraph



Qual-View: graphic display of the measurement campaign retrieved (trends)



Qual-View: display of the waveform of a retrieved event (interruption)

TO ORDER

Model	Reference
Configuration software	QUAL-SRT
Display software	QUAL-VIEW

Associated products

MAP range

page 72

Single-phase network analyzer

page 73