

Zeus K

Energy data log for ENEL electric meter



- Battery power supply
- USB firmware upgradeable
- Interface USB 2.0 mass storage
- Integrated Flash Memory 4MB
- Real time clock with battery backup
- Indirect measurement of active power, reactive power and power factor
- 2 minutes measuring interval
- Logged data are stores for 4 years
- Specifically designed to fit ENEL electric meter

ENEL is the main Italian distributor of electricity and gas.

Product Number: TP-004-001

General features

Zeus K is a device that allows to store and verify the energy consumed by an electric user by recording the signals generated by the electric meter. It's easy to install by means of velcro and requires no power supply because it is powered by two AAA batteries. Zeus K is able to store up to 2 years of data without requiring battery replacement (normal use). The light signals emitted by the electric meter are stored internally and it, at any time, can be taken through a common USB stick. The software, freely downloadable from product website www.zeuslog.com, allows interpretation of the data and their display highlighting consumption in different time slots of both the active power of the reactive.

Applications

- Logging and verification of energy consumption
- Logging and verification of energy generated by renewable sources such as solar, eolic, etc.
- Verification correct power factor

Parameters measured

<i>Instantaneous measurements</i>	<i>Recorded measurements</i>
Active Power	Active Power 2 minutes averaged
Reactive Power	Reactive Power 2 minutes averaged

Specifications

Power Supply

Voltage	3Vdc 2 x1,5 Volt AAA alkaline batteries
Power Consumption	< 15 μ A in stand-by 2 years batteries life in normal use

Features

Memory	Flash memory: 4 Mbytes (4 years of data log)
Clock	Internal with perpetual calendar and backup battery

Accuracy

Active Power	\pm 1% over that of power meter
Reactive Power	\pm 1% over that of power meter

Interfaces

Button	1, Reset
USB Port	Ver. 2.0 mass storage
LED Indicator	2, Red and Green
Sensor	2 integrated, 1 Active Power and 1 Reactive Power

Container

Shape	Designed for mechanical coupling with the following power meters: GEM, GISM, GET2A, GET3A, GIST, GET4S e GISS
Fastening	Velcro
Dimensions	41 x 65 x 37mm (LxHxW)
Weight	23g
Material	ABS
Grade Protection	IP20

Enviromental Condition

Operating Temperature	-10°C e +50°C
Storage Temperature	-20°C e +75°C
Humidity	80% max without condensation

Compliance

EMC	CEI EN 61000-6-2 e EN 61000-6-3
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Technical Drawings

