

**NEW  
Software**

**Shock-resistant**

**Practical**

**Accurate**

**IP65**

# EPPE W8

## Compact Power Quality Analyser

EPPE W8 is a compact power quality analyser of robust design which has been specially developed for use in harsh environmental conditions. The shock-resistant housing complies with IP65 and is therefore fully protected against dust and water jets.

Comprehensive recording and monitoring functions enable network parameters to be recorded, transferred to a PC and evaluated with the very highest precision. EPPE W8 is able to work to various standards, including EN 61000-4-30, class A.

The 4 function keys and integrated LCD screen can be used to display important measurement values and carry out measurements.

EPPE W8 is delivered in a rugged carrying case which contains the components needed to carry out measurements to EN 61000-4-30, class A. In addition to high-quality measuring leads and connectors, the equipment also includes the sophisticated and easy-to-operate EPPE software.



# EPPE W8

## Compact power quality analyser for harsh environmental conditions

Shock-resistant ■ Practical ■ Accurate ■ IP65

### Applications

EPPE W8 is the ideal solution whenever power quality needs to be measured, recorded and evaluated reliably and precisely even in harsh environmental conditions. As well as monitoring compliance with valid standards, such as EN 50160 or other pre-defined guidelines, it is also easy to analyse faults, identify trends and evaluate the situation at relevant points in the supply network using the measurement results provided by EPPE W8. Measurements are made to EN 61000-4-30, class A.

### System Description

The housing complies with IP65 and is therefore absolutely dust-proof and fully protected against water jets. As a result, EPPE W8 can withstand even the most adverse environmental conditions. Its compact design also makes it suitable for operation in cramped conditions.

A total of 8 galvanically isolated analog inputs are provided for current and voltage measurement. Using the 2 binary inputs, EPPE W8 can receive external status signals, while 2 potential-free relay contacts can output status and alarm signals.

To utilize modern communication methods, EPPE W8 also features a USB port and an RS232 interface, both of which are galvanically isolated. This makes it possible for the measuring system to be fully operated from a PC.

### Configuration and Operation

All measurement and recording settings are grouped together and managed in measurement jobs. The advantage of this concept is that measurement jobs can be prepared on a PC using the software provided, before being uploaded to any number of power quality analysers.

Just 4 function keys and an LCD screen are required for on-site operation. Particular emphasis



has been laid on an intuitively logical design.

Using the function keys it is easy to control measurements or display a wide range of online measurement values and status information, including the amplitudes, phase angles and THD values of voltages and currents and the power values. This is particularly useful when checking the correct connection of the individual signals.

### Evaluation

Recorded data can be downloaded to the PC at any time without having to interrupt a measurement. The software allows automatic evaluation and assessment of power quality to international standards. A quick overview feature keeps users abreast of the supply situation at a glance.

Comprehensive graphs and tables of voltage fluctuations, harmonics, flicker and other network parameters, such as reactive power and unbalance,

can be displayed for an in-depth analysis of the quality of supply.

### Scope of Delivery

EPPE W8 is delivered in a rugged carrying case which also contains the EPPE software, the voltage measuring leads and the USB and RS232 cables.

A GPS receiver module for time synchronisation can be integrated as an optional extra.

<b>Analog inputs</b>	4 x voltage 4 x current (via ext. current probes)
<b>Binary inputs</b>	2, 24 to 300 VDC
<b>Binary outputs</b>	2 potential-free relay contacts
<b>Operating voltage</b>	Mains or measurement signal, battery back-up
<b>Interfaces</b>	USB, RS232
<b>Operation and display elements</b>	4 function keys, LCD screen
<b>Evaluation and operation unit</b>	External Windows® PC
<b>Time synchronisation</b>	Via evaluation unit or GPS receiver module ■
<b>Housing</b>	Hand-held
<b>(W x H x D)</b>	121 x 252 x 50 mm

■ Option

