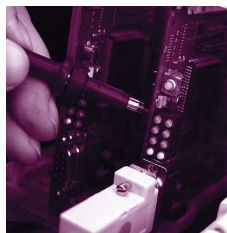


Specifications EPPE W8



System concept	EPPE W8 is a high-accuracy power quality analyser which comprehensively monitors network parameters for compliance with valid quality standards. This portable power quality analyser complies with IP65. It is constructed using 32/128 bit DSP technology. All functions and parameters are freely configurable in the software.	
Measurement functions	Voltage Current Network frequency THD Harmonics Power Unbalance Flicker <u>Optional:</u> Interharmonics Energy Symmetrical components Impedance	Active, apparent and reactive power Voltage system/current system Active, apparent and reactive energy Voltage/current/impedance
Analog inputs	Quantity Frequency range Resolution Error Measuring ranges Voltage Current Protection	8 DC...6 kHz, linear frequency response 16 bit 0.1% 4 x 0...500 VAC L-N, 0...866 VAC L-L 4 x 0...2 VAC, for current clamps Galvanic isolation via opto-couplers (LOC), channel-earth > 2.5 kV
Binary inputs	Quantity Activation range Protection	2 24...300 VDC single range Transient protection, polarity protection and galvanic isolation via opto-couplers
Binary outputs	Quantity Switching capacity Input current Protection	2 220 VDC, 2 A, 60 W resistive load Approx. 3 mA Potential-free and galvanically isolated output relays
Triggers	All programmable analog and binary triggers can be activated at the same time and for all channels Programmable limit values for over- and under triggers for voltages and for over-triggers for currents and signal frequency levels. <u>Optional:</u> Analog signals	
		Programmable limit values for over- and under-triggers and d/dt for voltages, currents, phase angle, frequency, unbalance, THD, individual harmonics, power factor, zero/pos./neg. sequence, impedance, P _{ST} , P _{LT} and other power quality values.

Complete system Operation, system control, data storage and evaluation using a standard, external Windows PC.
The 4 function keys and integrated LCD screen can be used to display important measurement values and carry out measurements without a PC.

User interface	EPPE software for Windows® 2000/XP/7	
Power supply	Rated voltage 90...265 VAC, 47...63 Hz, 120...370 VDC Internal UPS for approx. 30 minutes	
Connections	Via multi-pole system sockets located on the top panel, active current clamps are supplied with electricity by the device.	
Interfaces	RS 232 and USB, galvanically isolated	
Internal clock accuracy	50 ppm	
Time synchronisation	GPS (optional)	
Data memory	16 MB SDRAM, 32 MB Flash RAM	
Keyboard	Membrane keypad on the front panel	
Display	Alpha-numeric LCD screen with 4 x 20 characters	
Housing	Dimensions (W x H x D): 121x252x50 mm Weight: 0.8 kg	
Environment	Operating temperature	0...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...90%, non-condensing
	Protection class	IP65
	Safety standard	EN 61010-1 300 V~CAT III
	EMC emissions	EN 50081-2 industrial
	Susceptibility	EN 50082-2 industrial
	Certification	DKD calibration certificate (optional)