



Smart Meter

EW800

		EW800A DEM	EW800B DTM	EW800C DRM
Connections		Single-phase Three-phase 4 wires with Y load Three-phase 4 wires with D load	Single-phase Two-phase Three-phase with neutral Three-phase without neutral	
Measuring inputs	Current Channels	Direct Up to 64A (45kW) three-phase connection, Up to 21A (15kW) single-phase connection	with external Current transformers	with external Rogowski coils
	Voltage Channels	Direct (max rated voltage phase-neutral 230Vac)	Direct (max rated voltage phase-neutral 23Vac) or With external Voltage Transformer (rated secondary voltage 100-115Vac, for LV or MV application)	
Power supply		Self-powered	100:230 Vac	
Communication		RS485 ModBus (in all EW800...models) Radio RF868 MHz (only EW800...200 models) Ethernet (only on EW800...300 models)		
Digital Isolated input/Output		2 I/O module option (configurable by Data Manager)		
Measures		Voltage (phase-neutral and phase-phase) Current (phase values and neutral value) Imported Active Energy (phase values and total value) Exported Active Energy (phase values and total value) Imported Active Power (phase values and total value) Exported Active Power (phase values and total value) Reactive Power with sign (phase values and total value) Apparent Power (phase values and total value) Power Factor (phase values and total value) Frequency		
Harmonic analysis		THD (in voltage / current signal) Harmonics 1st ...51st (in voltage / current signal)		
Accuracy	Active Energy (according to IED 62053-21)	Class 1		
	Reactive Energy (according to IED 62053-23)	Class 2		
	Current and Voltage	≤ 0,5%		



Smart Meter

Display		LCD (256 x 96 pixel) and resistive touch screen	
Case	Mounting	DIN rail	
	No. DIN modules	7	5
	External dimensions (mm)	126x100x70	90x96x70