

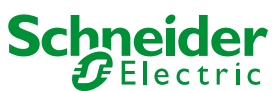


Metering Solutions

Residential, commercial
and industrial environments

schneider-electric.co.uk

Life Is On



Our metering solutions



Schneider Electric provides integrated solutions for residential, commercial buildings and industry and infrastructure. The first step to make the most of your energy is to choose the right meters and the right communication hardware in the right place for the right job.

What does Schneider Electric offer?

Full metering capability and solutions to match any system requirement

Power monitoring devices

- Meeting the requirement of different applications to measure your energy consumption
- New products: The new PM8000 series meters simplify power quality and maximise versatility

Communication hardware

- Collect WAGES consumptions and environmental parameters from field devices via digital and analogue inputs, Modbus RS485 and Modbus TCP (Ethernet) communications and then transfer them to Schneider Electric software solutions for analysis and management via GPRS, internet cable and Wi-Fi

What do our meters offer?

Simple

- The right applications

Smart

- Some significant features for requirement
e.g. MID approved, pulse output, Modbus communications, imported and exported measurement etc

Effective










- Defined for individual applications

Reliable

- Providing the right information, at the right level in the system, to help manage energy consumption more effectively

Solutions for small, medium and large buildings

Energy efficient core products comparison chart:

Image																																				
Type	Kilowatt-hour meters		Kilowatt-hour meters					Energy meters									Basic power meters				Basic power meters										Basic power and PQ meters		Communication hardware			
Family name	IEM2000 series		IEM2100 series					IEM3000 series									PM3200 series				PM5000 series										PM8000 series		Link 150	Com'X 200		Com'X510
Ordering reference	A9MEM2000T/ A9MEM2000/ A9MEM2010	A9MEM2100/ A9MEM2105	A9MEM2110	A9MEM2135	A9MEM2150	A9MEM2155	A9MEM3100/ A9MEM3200/ A9MEM3300	A9MEM3110/ A9MEM3210/ A9MEM3310	A9MEM3115/ A9MEM3215/ A9MEM3315	A9MEM3135/ A9MEM3235/ A9MEM3335	A9MEM3150/ A9MEM3250/ A9MEM3350	A9MEM3155/ A9MEM3255/ A9MEM3355	A9MEM3165/ A9MEM3265/ A9MEM3365	A9MEM3175/ A9MEM3275/ A9MEM3375	METSE PM3200	METSE PM3210	METSE PM3250	METSE PM3255	METSE PM5100	METSE PM5110	METSE PM5310	METSE PM5320	METSE PM5330	METSE PM5340	METSE PM5560	METSE PM5563 ****/METSEPM5563RD	METSEPM8240	METSEPM8243/ METSEPM8244	EGX150	EBX200	EBX510					
DIN rail /panel mounted	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	P	P	P	P	P	P	P	D without display/ D with remote display	P	D without display/ D with remote display	D	D	D						
Dimension (mm)	18	36	36	36	36	36	90 / 90 / 126	90 / 90 / 126	90 / 90	90 / 90 / 126	90 / 90 / 126	90 / 90 / 126	90 / 90 / 126	90 / 90 / 126	90	90	90	90	96 x 96	96 x 96	96 x 96	96 x 96	96 x 96	96 x 96	96 x 96	96 x 96	105 x 90.5	72 x 105 x 71	91 x 144 x 65.8	91 x 144 x 65.8						
Current rating	40A	63A	63A	63A	63A	63A	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)/ 125A	63A/1 or 5A (external CT)/ 125A	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	1 or 5A (external CT)	The Link150 serves as an Ethernet Gateway for Powerlogic system devices and any other communicating devices utilising the Modbus protocol. The Link150 gateway offers complete access to status and measurement information provided by the connected devices via software.	Com'X 200 is an Energy Server which collects and stores WAGES consumptions and environmental parameters in a building. Data is periodically transmitted as a report via WIFI, Ethernet network or GPRS to an internet database server. The data is then processed and displayed as webpages through web services provided by Schneider Electric or any private energy management platform.	Besides Com'X200 features, Com'X 510 provides the end-user with immediate visibility of energy consumption throughout a site. Once the Com'X 510 is connected to the Local Area Network, real-time data and historical data can be viewed via any standard web browser in tabular, summary, bar and trending formats.						
Active energy accuracy	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 1/ Class 0.5S/ Class 1	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S						
MID approval (billing application)*	-/√/√		√	√		√		√	√	√		√	√	√																						
Kwh metering only	√	√					√	√	√																											
Imported and exported measurement			√	√	√	√								√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√					
Multi-tariff			2	2		2				up to 8	up to 6		up to 6	up to 6	up to 4	up to 4	up to 8				up to 4	up to 4	up to 4	up to 4	up to 8	up to 8	Time-of-use in conjunction with PME/PSE	Time-of-use in conjunction with PME/PSE								
Programmable Digital Input			1 (tariff switching)																																	
Programmable Digital Output																																				
Relay Output																																				
Alarm (A) & pulse output (P)**	P /- / P	- / P	2P					P							A or P	A	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P	A & P					
Communication protocol				M-bus	Modbus RS485	Modbus RS485				M-bus	Modbus RS485	Modbus RS485	BACnet MS/TP	LON TP/FT-10										Modbus RS485 & Modbus TCP	Modbus RS485 & Modbus TCP	Modbus RS485 & Modbus TCP etc.****	Modbus RS485 & Modbus TCP etc.****									
Memory capacity																																				
Embedded webpage																																				
Total harmonic distortion (THD)																15th	15th	15th	15th	15th	15th	31st	31st	31st	31st	63rd	63rd	63rd	63rd	63rd	63rd					
Individual harmonics measurement																																				
Waveform capture																																				
Sag and swell detection																																				
EN 50160 compliance checking																																				

How to read table: If a cell contains a single value, that value applies to all meter models identified in the header cell(s). For cells with multiple values, the values correspond from left to right with the meter models listed from top to bottom for each associated header cell. For example, a cell with "A / B / C" means A for iEM31xx models, B for iEM32xx models, and C for iEM33xx models

*Directive 2004/22/EC is the Measuring Instruments Directive ("MID") from the European Parliament & Council that harmonises many aspects of legal metrology across the EU states, which came into force on 30th October 2006. In the UK, the MID is applicable for loads up to 100kW. After October 2016 every new meter installed for billing applications must be MID approved.

For more info, please contact us on 0870 608 8 608

** Programmable digital output can be programmed as pulse output or alarm.

*** Remote display is also provided for METSEPM5563. The ordering reference is METSEPM55RD.

**** PM8000 series is the new power quality meter released in Sept 2015. It replaces PM850, PM870, ION7330 and ION7350 meters. Besides the features shown, it can be added up to 4 additional I/O modules for digital and analog data monitoring and control. It also has multiple protocols for system integration eg. IEC61850, DNP3.0 etc.

Tools to help you...

PowerLogic Toolkit

Simplifying Specification

- > Product selector
- > Build your own specification
- > Live updates to CPD course calendar
- > Keep track of most current legislation
- > Dedicated resource area for tech and spec sheets

Download here:

schneider-electric.co.uk/pltoolkit



Meter Selector App

Your unique metering system in the palm of your hand

- > Easy to use meter selection tool based on your requirements
- > Search by feature, application or competitive offer
- > Access and download product data sheets
- > Direct link to customer support



Scan the QR code to download your App on iOS or Android



Schneider Electric is the global specialist in energy management and automation. With revenues of €25 billion in FY2014, our 170,000 employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Our connected technologies will reshape industries, transform cities and enrich lives.

At Schneider Electric, we call this Life Is On.

Schneider Electric

United Kingdom
Stafford Park 5,
Telford
Shropshire
TF3 3BL
Tel: 0870 608 8 608
Fax: 0870 608 8 606

Ireland
Head office, Block A
Maynooth Business Campus
Maynooth, Co. Kildare
W23 Y7X0
Tel: 1 800 805 800
Fax: (01) 601 2201

www.schneider-electric.co.uk

www.schneider-electric.com/ie

October, 2015
SE9256

©2015 Schneider Electric. All Rights Reserved.

All trademarks are owned by Schneider Electric Industries SAS or its affiliated companies.