

Product update

NEW Retrofit metering kit

> October 2014



Schneider Electric's NEW retrofit metering kits are designed for easily measuring power and energy in existing installations without requiring complete disconnection of cabling.

Our flexible range of metering allows data collection using pulsed output, Modbus RS485 and Modbus TCP (Ethernet) communications. This enables the "measure" phase of Schneider Electric's 4 steps to energy efficiency;



Measure, fix the basics, automate and monitor and improve

- > By monitoring power consumption you can identify waste, potential energy saving opportunities and prioritise actions
- > By using retrofit metering as part of an Automatic Meter Reading system this can help achieve the Carbon Trust Standard and improve the financial impact under the governments Carbon Reduction Commitment programme
- > When utilised as part of an automatic monitoring & targeting system it is eligible for the government backed Enhanced Capital Allowance scheme
- > Saving energy helps save money and the environment
- > Can be used in any commercial or industrial application

The range of retrofit metering kits includes meters complying with BSEN62053 and includes MID approved meters as a standard offer.

Their configuration allows them to be installed where there is limited space, they can be "stacked" to allow for multiple meters and an integrated gateway server to be assembled together.

Split core Current Transformers 200:5A up to 2400:5A ratios are available preventing cable re-routing or cable breaks for simple retrofit installation.

Supplied pre wired with top entry gland plate, connections are simple using a common connection interface for current inputs, voltage reference, pulsed output and Modbus communications connections.



Download our NEW MeterApp



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The range of Schneider Electric retrofit metering kits are designed to measure the energy consumed by a complete installation or part of it. (Ex: main incoming supply, warehouse or office floor).

Measurements include voltage, current, frequency, active and reactive power, power factor and harmonic distortion. Using this information is the key to understanding energy use and can be used to target waste and identify energy saving opportunities.

Standard retrofit metering kits incorporating MID approved meters may be utilised for energy billing purposes.

> Catalogue numbers

Product reference	Description
RETMKITMIDM	Retrofit metering kit (Including MID METSEPM5111 meter with pulsed output and Modbus RS485 communications)
RETMKITMIDE	Retrofit metering kit (Including MID METSEPM5341 meter with Modbus TCP communications)
RETMKITEGX300	Retrofit metering kit (Including integrated gateway server EGX300)
RETMKITEGX100	Retrofit metering kit (Including integrated Ethernet gateway EGX100)
RETMKOFGEM	Retrofit metering kit (Including OFGEM approved meter) consult us
H68102005A	200:5A split core current transformer
H68103005A	300:5A split core current transformer
H68114005A	400:5A split core current transformer
H68116005A	600:5A split core current transformer
H68118005A	800:5A split core current transformer
H681210005A	1000:5A split core current transformer
H681212005A	1200:5A split core current transformer
H681216005A	1600:5A split core current transformer
H681220005A	2000:5A split core current transformer
H681224005A	2400:5A split core current transformer
METBLK	Metering terminal block
A9N15658	STI fuses (pack of 10)

> Main characteristics

Characteristic	Description
IP Rating	External IP40, Internal IP2X
Colour	RAL 9001
Terminals	Tunnel type, 6 mm ²
METSEPM5111 Measurements	A, V, F, kW, kVA, kWh, kVAh, MD, THd plus pulsed output and Modbus RS485 communication
METSEPM5341 Measurements	A, V, F, kW, kVA, kWh, kVAh, MD, THd plus Modbus TCP communications
PM Power meter standard	BS EN 62053-22 Class 0.5S
OFGEM Measurements	Defined by application at time of order
Current transformers	200:5A up to 2400:5A split core current transformers BSEN 60044
Voltage reference connections	Fused 2A
Retrofit kit enclosure dimensions	200mm H x 230mm W x 145 mm D
Retrofit kit enclosure fixings	3 x 6 mm clearance dished hole fixings
Gland plate	Top entry removable 230mm x 145 mm

> Discontinued products

Product reference	Description	Alternatives
RETMKITP	Retrofit metering kit (PM700P with pulsed output)	RETMKITMIDM
RETMKITMFM	Retrofit metering kit (PM750 with Modbus)	RETMKITMIDM

For more information please visit

www.schneider-electric.com/uk or call 0870 608 8 608