



Crompton Instruments MID Approved Meters

The modular DIN-rail MID approved energy meters portfolio offers a wide range of energy measurements for electrical installations where billing is required.

The DIN-rail mounted energy meters are designed for high level accuracy performance and are safe and fast to install. MID approval ensures compatibility with EU market without a need for further testing. These features make Crompton Instruments MID Meters an ideal solution for residential, utility and industrial energy consumption monitoring.

The MID approved energy meters range is available for single and three-phase systems and the product features include a blue backlit LCD screen, direct or CT connection capability, sealable terminal covers, and display tariff identifier. Energy consumption can be remotely monitored via SO pulse outputs or can be communicated with Modbus RS 485 RTU, M-Bus, KNX and SD card datalogger interfaces.

Measuring Instruments Directive 2004/22/EC

For manufacturers and end-users selling and using measuring instruments mentioned for trade.

The directive that came into force in 30th of October 2006 is designed to create a single European market for approved meters to allow the free movement and use of this equipment within the European Union without a need for any additional testing.

Since October 2006 every meter manufactured and used for electricity billing must be MID or UK legislation approved and as of October 2016 all meters installed for billing must be only MID approved. Moreover, it is a criminal offence to install a non-approved meter for billing.

Key Features

- Direct and CT connection
- Accuracy class 1 for active energy and power and class 2 for reactive energy and power
- Energy registers for import and export
- Instantaneous active and reactive power display
- Sealable terminal covers
- Storage of energy values and configuration digital display (EEPROM)
- Display tariffs identifier

Approvals



Energy Meter Single-phase, Direct Connection



DRM-32-1P
DRM-40-1P

- Direct connection 32 and 40A
- One tariff
- Pulse output
- Optional infra-red communication systems



DRM-80-1P

- Direct connection 80A
- Two tariff
- Two pulse output
- Optional infra-red communication systems



DRM-125-1P

- Direct connection 125A
- Two tariff
- Two pulse output
- Optional infra-red communication systems
- Built in RS 485 Modbus RTU (MOD)
- Built in M-Bus (M)



DRM-125-1P-MOD



DRM-125-1P-M

Optional Infra-red Communication System (DRM-Comms)*



DRM-M

DRM-KNX

DRM-MOD

DRM-LOG

DRM-LOG-PS

- DRM-M - M-BUS,
- DRM-KNX - EIB-KNX
- DRM-MOD - Modbus-RTU/ASCII,
- DRM-LOG - SD -card data logger
- DRM-LOG-PS - power supply transformer

*not available for basic models

Energy Meter Three-phase, CT Operated



DRM-5-3P

- CT operated
- Two tariff
- Two pulse output
- Optional infra-red communication systems

Energy Meter Three-phase, Direct Connection



DRM-80-3P

- Direct connection 80A and 125A
- Two tariff
- Two pulse output
- Optional infra-red communication systems



DRM-125-3P

Basic Energy Meter Three-phase, CT Operated



DRB-5-3P

- CT operated
- Two tariff
- Two pulse output
- Built in RS 485 Modbus RTU (MOD)
- Built in M-Bus (M)



DRB-5-3P-MOD



DRB-5-3P-M

Basic Energy Meter Three-phase, Direct Connection



DRB-80-3P

- Direct connection 80A
- Two tariff
- Two pulse output
- Built in RS 485 Modbus RTU (MOD)
- Built in M-Bus (M)



DRB-80-3P-MOD



DRB-80-3P-M

Product code	MID certified	Single-phase	Three-phase	Module width	CT feed (5A)	Direct connection 32A	Direct connection 40A	Direct connection 80A	Direct connection 125A	Option connection interface	Modbus built in	M-Bus built in	Two tariff T1 & T2	Pulse output (SO)
DRM-32-1P	X	X		1		X				X				X
DRM-40-1P	X	X		1			X			X				X
DRM-80-1P	X	X		3				X		X			X	X
DRM-125-1P	X	X		3					X	X			X	X
DRM-125-1P-MOD	X	X		3					X		X		X	
DRM-125-1P-M	X	X		3					X			X	X	
DRM-5-3P	X		X	4	X					X			X	X
DRM-80-3P	X		X	4				X		X			X	X
DRM-125-3P	X		X	6					X	X			X	X
DRB-5-3P	X		X	4	X								X	X
DRB-80-3P	X		X	4				X					X	X
DRB-5-3P-M	X		X	4	X							X	X	X
DRB-80-3P-M	X		X	4				X				X	X	
DRB-5-3P-MOD	X		X	4	X						X		X	
DRB-80-3P-MOD	X		X	4				X			X		X	
DRM-M				1										
DRM-KNX				1										
DRM-MOD				1										
DRM-LOG				1										
DRM-LOG-PS				1										

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