



Energy meters are digital instruments for the measurement of electrical energy consumption in single and three phase systems with direct connection or via current transformer (CT)

Digital meters with LCD screen

type	input current	description	static pulse output	module width x 18 mm
------	---------------	-------------	---------------------	----------------------

Single phase direct connection 40/63A (modular design DIN rail mountable)

- Rated supply voltage: 220 - 240 VAC +15...-20%
- Input current: 40/63A (direct connection)
- Active energy: Class 1 (IEC/EN 62053-21)
- Reactive energy: Class 2 (IEC/EN 62053-23)
- Compliant with standards: IEC/EN 61010-1, 61000-6-2, 61000-6-3

DMED100T1	40A	direct connection digital energy meter	1	1
------------------	-----	--	---	---

Multi-measurements: Total and partial active, reactive energy, active, reactive power, voltage, current and power factor.

DMED110T1	40A	direct connection digital energy meter	1	1
DMED120T1	63A	direct connection digital energy meter	1	2
DMED121	63A	as above with RS485 interface	-	2
DMED130	63A	expandable with EXM1001 module	-	2

3 phase direct connection 63A/80A (modular design DIN rail mountable)

Multi-measurements: Total and partial active, reactive energy, active, reactive power, voltage, current and power factor.

- Graphic backlit LCD screen with 6+1 digits
- Tariff selection (2 tariffs)

DMED300T2	63A	3ph+N digital energy meter	2	4
DMED301	80A	3ph+N digital energy meter (RS485)	-	4

3 phase CT connection .../5A (modular design DIN rail mountable)

Multi-measurements: Total and partial active, reactive energy, active, reactive power, voltage, current and power factor.

- Backlit LCD screen (128 x 80 pixels)

DMED310T2*	/5A	3ph digital energy meter	2	4
DMED330	/5A	3ph digital energy meter (RS485)	-	4

* Accepts EXM... (up to 3) plug-in optic expansion modules

Data concentrator (modular design DIN rail mountable)

DMECD data concentrator designed in combination with energy meters, permitting connection to (up to 8) devices, eliminating online communication interface requirements. The concentrator is able to count static pulse outputs from the connected energy meters, storing data for viewing on its display or directly on a PC through the built-in RS485 port, using Xpress software.

- Graphic backlit LCD screen (128 x 80 pixels)
- 8 inputs for pulse count, expandable up to 14 using EXM... type expansion modules
- 8 total and 8 partial energy meters
- Built-in RS485 interface (Modbus-RTU or ASCII)
- Expandable with EXM... (up to 3) plug-in optic expansion modules

DMECD	data concentrator for up to 8 connected energy meters	-	4
--------------	---	---	---

Expansion modules for DMED310T2 and DMECD (modular design DIN rail mountable)

EXM1000	2 digital inputs and 2 static outputs, opto-isolated	2
EXM1001	2 opto-isolated digital inputs and 2 relay outputs (5A 250 VAC)	2
EXM1010	opto-isolated USB interface	2
EXM1011	opto-isolated RS232 interface	2
EXM1012	opto-isolated RS485 interface	2
EXM1013	opto-isolated Ethernet interface with Web server function	2
EXM1020	opto-isolated RS485 interface and 2 relay outputs (5A 250 VAC)	2
EXM1030	data storage, clock-calendar (RTC) with backup for data logging	2