



DMED110T1



DME120T1



DMED300T2



DMECD



EXM1001

**Digital meters with LCD screen**

**DMED series** of 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). Expandable versions of the DMED models are available with a range of expansion modules for communication and I/O etc. Typical applications include energy monitoring of individual units in shopping centres, apartments, marinas and factories.



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type	input current	description	static pulse output	module width x 18 mm
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**Single phase direct connection 40/63A** *(modular design DIN rail mountable)*

- Rated supply voltage: 220 - 240 VAC -20...+15%
- Input current: 40/63A (*direct connection*)
- Active energy: Class 1 (IEC/EN 62053-21)
- Reactive energy: Class 2 (IEC/EN 62053-23)

<b>DMED100T1</b>	40A	direct connection digital energy meter	1	1
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**Multi-measurements:** Total and partial active, reactive energy, active, reactive power, voltage, current and power factor, hour counter

<b>DMED110T1</b>	40A	direct connection digital energy meter	1	1
<b>DMED111</b>	40A	as above with RS485 interface	-	1
<b>DMED120T1</b>	63A	direct connection digital energy meter	1	2
<b>DMED121</b>	63A	as above with RS485 interface	-	2
<b>DMED130</b>	63A	expandable with <b>EXM1001</b> module	-	2

**Three phase direct connection 80A** *(modular design DIN rail mountable)*

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

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

<b>DMED300T2</b>	80A	3ph+N digital energy meter	2	4
<b>DMED301</b>	80A	3ph+N digital energy meter (RS485)	-	4

**Three 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*)

<b>DMED310T2*</b>	/5A	3ph digital energy meter	2	4
<b>DMED330</b>	1/5A	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. 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 (*below*)

<b>DMECD</b>	data concentrator for up to 8 connected energy meters	-	4
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**Expansion modules for DMED310T2 and DMECD** *(modular design DIN rail mountable)*

<b>EXM1001</b>	2 opto-isolated digital inputs and 2 relay outputs (5A 250 VAC)	2
<b>EXM1010</b>	opto-isolated USB interface	2
<b>EXM1012</b>	opto-isolated RS485 interface	2
<b>EXM1013</b>	opto-isolated Ethernet interface	2
<b>EXM1020</b>	opto-isolated RS485 interface and 2 relay outputs (5A 250 VAC)	2
<b>EXM1030</b>	data storage, clock-calendar (RTC) with backup for data logging	2