

METERING INSTRUMENTS AND CURRENT TRANSFORMERS

Energy Meters



Three phase with or without neutral, non expandable



DME D300 T2



DME D330



Order code	Description	Qty per pkg	Wt
		n°	[kg]
Digital meter for three phase with neutral.			
DME D300 T2	63A direct connection, 4U, 2 programmable static outputs, multi-measurements ①	1	0.360
DME D301	80A direct connection, 4U RS485 interface, multi-measurements ①	1	0.360
DME D305 T2	Connection by CT /5A, 4U, 2 programmable static outputs, multi-measurements ①	1	0.332
Digital meter for three phase with or without neutral.			
DME D330	Connection by CT /5A sec. 4U, RS485 interface, multi-measurements ①	1	0.332

General characteristics

The energy meters are digital meters/analyzers of electric energy for systems with direct three-phase connection or by CT.
Expandable with up to 3 EXM series interfaced by infrared beam.

Operational characteristics

- Nominal supply voltage:
 - 380...415VAC (L-L) for DME D300 T2, DME D310 T2, DME D330 and DME D305
 - 190...415VAC (L-L) for DME D301
- Voltage range:
 - 323...456VAC (L-L) for DME D300 T2, DME D310 T2, DME D330 T2 and DME D305
 - 162...456VAC (L-L) for DME D301
- Direct connection 63A for DME D300 T2 and 80A for DME D301
- Connection by TA /5A or 1A for DME D310 T2, DME D330 and DME D305 T2
- Active energy measurement and accuracy: Class 0,5s (IEC/EN 62053-22) for DME D301 and DME D305 T2, Class 1 (IEC/EN 62053-21) for other types.
- Active energy measurement and accuracy: Class 2 (IEC/EN 62053-23)
- LCD multifunction meter
- Metrological LED with pulse emission for consumption indication
- Clearable partial active energy measurements
- 1 programmable digital input
- 2 programmable static outputs except DME D330 and DME D301
- Built-in RS485 port for DME D330 and DME D301 and optional for DME D310 T2; compatible with Synergy and Xpress
- Optic interface for EXM10... expansion modules with DME D310 T2
- Modular housing, 4 module
- Sealable terminal blocks, standard supplied
- Degree of protection: IP40 on front; IP20 at terminals.

Synergy supervision and energy management software
See page 16-22.

Xpress configuration and remote control software
See page 16-25.

EXM series expansion modules
See page 16-16.

Certifications and compliance

Certifications obtained: EAC.
Compliant with standards: EN 50740-3, IEC/EN 61010-1.

① Multi-measurements:

- Total and partial active energy
- Total and partial reactive energy
- Voltage
- Current
- Active and reactive power
- Power factor
- Frequency
- Total and partial hour counter
- Average active power (calculation on every last 15 minutes)
- Maximum demand.

Three phase with or without neutral, expandable



DME D310 T2



EXM10 10

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Digital meter for three phase with or without neutral.			
DME D310 T2	Connection by CT /5A secondary, 2 programmable static outputs, 4U, multi-measurements ①, expandable	1	0.332

Order code	Description
DME D310 T2 EXPANSION MODULES. Inputs and outputs.	
EXM10 00	2 digital inputs and 2 static outputs, opto-isolated
EXM10 01	2 opto-isolated digital inputs and 2 relay outputs rated 5A 250VAC
Communication ports.	
EXM10 10	Opto-isolated USB interface
EXM10 11	Opto-isolated RS232 interface
EXM10 12	Opto-isolated RS485 interface
EXM10 13	Ethernet interface with Web server function
EXM10 20	Opto-isolated RS485 interface and 2 relay outputs rated 5A 250VAC
EXM10 30	Data storage, clock-calendar (RTC) with backup reserve energy for data logging

