

Single phase, non expandable



DME M100



DME D110 T1...



DME D115 T1...
DME D120 T1... - DME D121

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Mechanical meter with mechanical display.			
DME M100	32A direct connection, 1U	1	0.084
DME M100 T1	32A direct connection, 1U 1 pulse output	1	0.088
Digital meter, with LCD screen.			
DME D100 T1	40A direct connection, 1U 1 pulse output, 220...240VAC	1	0.086
DME D100 T1 A120	40A direct connection, 1U 1 pulse output, 110...120VAC	1	0.086
DME D110 T1	40A direct connection, 1U 1 program. static output, multi-measurements ①, 220...240VAC	1	0.090
DME D110 T1 A120	40A direct connection, 1U 1 program. static output, multi-measurements ①, 110...120VAC	1	0.090
Digital meter with backlight LCD screen.			
DME D115 T1	40A direct connection, 2U, 1 program. static output, multi-measurements ①, 220-240VAC	1	0.090
DME D120 T1	63A direct connection, 2U 1 program. static output, multi-measurements ①, 220-240VAC	1	0.148
DME D120 T1 A120	63A direct connection, 2U 1 program. static output, multi-measurements ①, 110...120VAC	1	0.148
DME D121	63A direct connection, 2U, RS485 interface multi-measurements ①, 220-240VAC	1	0.148

General characteristics

The energy meters are instruments for energy consumption measurement in single-phase installations with direct connection.

Operational characteristics

DME M... (mechanical display)

- Rated supply voltage: 230VAC -20...+15%
- Direct connection
- 32A maximum current
- Active energy measurements
- Active energy accuracy: Class 1 (IEC/EN 62053-21)
- Mechanical meter with 6+1 digit count
- Flashing LED for consumption indication
- Static pulse output for DME M100 T1 only
- Modular DIN 43880 housing, 1 module
- Sealable terminal blocks, standard supplied
- IEC degree of protection: IP40 on front; IP20 at terminals.

DME D110T1–DME D110 T1–DME D115 T1–
DME D120 T1–DME D121–DME D130

- Nominal supply voltage:
 - 220...240VAC for DME D...T1
 - 110...120VAC for DME D...T1 A120
- Voltage range:
 - 187...264VAC for DME D...T1
 - 93...132VAC for DME D...T1 A120
- Direct connection
- Maximum current: 40A for DME D100 T1, DME D110 T1..., DME D115 T1; 63A for DME D120 T1 – DME D121 – DME D130
- Active energy measurement and accuracy: Class 1 (IEC/EN 62053-21)
- Reactive energy measurement and accuracy: Class 2 (IEC/EN 62053-23) except for DME D115 T1
- LCD meter : With 5+1 digit count for DME D100/110 T1...; backlight with 6+1 digit count for DME D115 T1, DME D120 T1, DME D121, DME D130
- Metrological LED with pulse emission for consumption indication
- Clearable partial energy measurement except for DME D100/110 T1...
- One output: Pulse for DME D100 T1; programmable static for all other types
- Built-in RS485 port for DME D121; compatible with Synergy
- Modular housing, 1 module for DME D100 T1, DME D110 T1; 2 module for all other types
- Sealable terminal blocks, standard supplied
- protection degree: IP40 on front; IP20 at terminals.

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

EXM series expansion modules see page 16-16.

Certifications and compliance

Certifications obtained: EAC, cULus for DME D... type
Compliant with standards: IEC/EN 61326-1 for DME M... type; EN 50740-3, IEC/EN 61010-1, UL 61010-1, CSA C22-2 n° 61010-1 for DME D... type.

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.

② Multi-measurements:

- Total and partial active energy
- Active power
- Average active power (calculation on every last 15 minutes)
- Maximum demand.

Single phase, expandable



DME D130



EXM10 01

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Digital meter with backlight LCD screen.			
DME D130	63A direct connection, 2U, multi-measurements ①, expandable, 220-240VAC	1	0.148

Order code	Description
DME D130 EXPANSION MODULES.	
Inputs and outputs.	
EXM10 01	2 opto-isolated digital inputs and 2 relay outputs 5A 250VAC

