

The new advanced DELTAmax Electricity Meter

ABB AB, Cewe-Control is now introducing the new advanced DELTAmax electricity meter.



DELTAmax

DELTAmax is a three phase meter with four quadrant metering meaning that the meter can measure both imported as well as exported energy. The meter is available in versions for active energy and combined active and reactive energy.

The DELTAmax is type approved and verified according to MID (EN 50470-1, -3) and type approved according to IEC (IEC 62052-11, IEC 62053-21, IEC 62053-23). Some meters have built-in M-Bus interface. All meters have the ABB infrared port on the side for communicating via an external Serial Communication Adapter.

Key features of DELTAmax

- Three phase meter (three or four wire connection)
- Direct connected up to 80 A or transformer connected 1, 2 or 5 A
- Accuracy 1%, Class B (MID), Class 1 (IEC)
- Import and export of energy
- Harmonics measurement up to 9th harmonic (on a 50 Hz network) and THD evaluation

- Built-in clock for time dependent functions
 - Load profiles
 - Max demand
 - Event log
 - Monthly or daily values
- 1, 2 or 4 tariffs controlled via communication or by internal clock
- Optional M-Bus interface
- Optional pulse output
- Size is 7 DIN modules

Shipment of DELTAmax starts in beginning of September 2009.

The available products are show below.

Documentation

User's Manual	2CMC481017D0001	Available from ABB Library
Features presentation	2CMC480018N0010	Available from ABB Library
DELTAmax vs DELTAplus	2CMC480018N0011	Available from ABB Library

ABB Id	Type	Communication	Connected
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2 tariffs controlled by internal clock or communication, time dependent functions. Verified and approved according MID, IEC approval.

Active import and export, 3x57-288/100-500V

2CMA139495R1000	DEB 13005	Pulse output	CTVT
2CMA139498R1000	DEM 13005	M-Bus	CTVT
2CMA139502R1000	DFB 13005	Pulse output	Direct
2CMA139505R1000	DFM 13005	M-Bus	Direct

Active and reactive import and export, 3x57-288/100-500V

2CMA139509R1000	DGB 13005	Pulse output	CTVT
2CMA139512R1000	DGM 13005	M-Bus	CTVT
2CMA139518R1000	DHB 13005	Pulse output	Direct
2CMA139521R1000	DHM 13005	M-Bus	Direct

4 tariffs controlled by internal clock or via communication, time dependent functions. Verified and approved according MID, IEC approval.

Active import and export, 3x57-288/100-500V

2CMA139496R1000	DEB 13006	Pulse output	CTVT
2CMA139499R1000	DEM 13006	M-Bus	CTVT
2CMA139503R1000	DFB 13006	Pulse output	Direct
2CMA139506R1000	DFM 13006	M-Bus	Direct

Active and reactive import and export, 3x57-288/100-500V

2CMA139510R1000	DGB 13006	Pulse output	CTVT
2CMA139513R1000	DGM 13006	M-Bus	CTVT
2CMA139519R1000	DHB 13006	Pulse output	Direct
2CMA139522R1000	DHM 13006	M-Bus	Direct

ABB Id	Type	Communication	Connected
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Time dependent functions, Verified and approved according MID, IEC approval.

Active import and export, 3x57-288/100-500V

2CMA139497R1000	DEB 13007	Pulse output	CTVT
2CMA139500R1000	DEM 13007	M-Bus	CTVT
2CMA139504R1000	DFB 13007	Pulse output	Direct
2CMA139507R1000	DFM 13007	M-Bus	Direct

Active import and export, 3x100-500V

2CMA139549R1000	DEM 12007	M-Bus	CTVT
2CMA139508R1000	DFM 12007	M-Bus	Direct

Active and reactive import and export, 3x57-288/100-500V

2CMA139511R1000	DGB 13007	Pulse output	CTVT
2CMA139514R1000	DGM 13007	M-Bus	CTVT
2CMA139520R1000	DHB 13007	Pulse output	Direct
2CMA139523R1000	DHM 13007	M-Bus	Direkt

Active and reactive import and export, 3x100-500V

2CMA139517R1000	DGM 12007	M-Bus	CTVT
2CMA139524R1000	DHM 12007	M-Bus	Direct

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