



4850 3019



4850 3043



4850 3054



4850 3012



4853 0000

COUNTIS Active energy meters (kwh meters)

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

type	current	reading	RS485 modbus	dual tariff	description	width in 17.5 mm
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Single phase direct connection kWh meters (modular design DIN rail mounting)

- LCD display
- Measurement accuracy: 1 %
- Rated supply voltage: 230 VAC
- Pulse output: 100Wh
- Active energy: Class 1 (IEC/EN 62053-21) class B (EN 50470)

4850 3019	E00	32A	direct	no	no	single phase kwh meter	1
4850 3039	E03	40A	direct	yes	yes	single phase kwh meter	1
4850 3000	E10	63A	direct	no	no	single phase kwh meter	3
4850 3001	E11	63A	direct	no	yes	single phase kwh meter	3
4850 3043	E13	80A	direct	yes	yes	single phase kwh meter	3
4850 3047*	E17	80A	direct	no	yes	single phase kwh meter	2

* Ethernet web server embedded

Three phase kWh meters (modular design DIN rail mounting)

- Backlit LCD display
- Rated supply voltage: 230 - 400 VAC
- Pulse output: 100Wh
- Phase/neutral inversion protection
- Detection of connection errors
- Measurement accuracy: 1 %
- Bidirectional (energy consumption and production) E27, E33, E45 only
- Active energy: Class 1 (IEC/EN 62053-21) class B (EN 50470)

4850 3003	E20	63A	direct	no	no	three phase kwh meter	4
4850 3004	E21	63A	direct	no	yes	three phase kwh meter	4
4850 3050	E23	80A	direct	yes	yes	three phase kwh meter	4
4850 3054*	E27	80A	direct	no	yes	three phase kwh meter	4
4850 3005	E30	100A	direct	no	no	three phase kwh meter	7
4850 3006	E31	100A	direct	no	yes	three phase kwh meter	7
4850 3012	E33	100A	direct	yes	via com	three phase kwh meter	7

* Ethernet web server embedded

Note MID compliant devices available on request.

CT operated .../5A

4850 3008	E40	../5A	CT	no	no	three phase kwh meter	4
4850 3017	E43	../5A	CT	yes	via com	three phase kwh meter	4
4850 3027*	E45	../5A	CT	yes	via com	three phase kwh meter	4

* Mbus

Pulse concentrator (modular design DIN rail mounting)

COUNTIS ECi2 multi-utility pulse concentrator allows for up to 7 pulse inputs from water, gas, compressed air and electricity meters to be registered and stored. All data can be centralised via RS485 communication using MODBUS protocol.

- Load curves are available for each of the 7 logical inputs
- Partial, total, daily, weekly or monthly kWh or other types of data (litres, m³...)
- Customisation by selection of the measuring unit: kWh, m³, litres
- Generate event alarms (1 dedicated relay output)
- 230 - 400 VAC supply

4853 0000	ECi2			yes		pulse concentrator for up to 7 inputs	4
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