



Selection guide

Active energy meters and pulse concentrators COUNTIS E

Which type
of network?

Which load
current?

Which
accuracy?

MID
certification?

Communication
or pulse output?

View data on
the web server?

Network - Input current	Single-phase Direct up to 40 A			Single-phase Direct up to 80 A				Three-phase Direct up to 80 A			Three-phase Direct up to 80 A		Three-phase Direct up to 100 A			Three-phase CT 1/5 A				Three-phase CT/5 A		
																						
Active energy meters: COUNTIS E	E00/E02	E03/E04	E05/E06	E11/E12	E13/E14	E15/E16	E17/E18	E21/E22	E23/E24			E25/E26	E27/E28	E30/E31/E32	E33/E34	E35/E36	E41/E42	E43/E44	E45/E46	E47/E48	E50	E53
Main specifications																						
MID: EN 50470 module B + D certification	• (E02)	• (E04)	• (E06)	• (E12)	• (E14)	• (E16)	• (E18)	• (E22)	• (E24)			• (E26)	• (E28)	• (E32)	• (E34)	• (E36)	• (E42)	• (E44)	• (E46)	• (E48)		
RS485 Modbus		•			•				•						•			•				•
M-Bus			•			•						•				•			•			
Ethernet Modbus TCP/RTU							•					•	•						•	•		
Width	1 module	1 module	1 module	2 modules	2 modules	2 modules	2 modules	4 modules	4 modules			4 modules	4 modules	7 modules	7 modules	7 modules	4 modules	4 modules	4 modules	4 modules	96x96	96x96
Input voltage	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC	230 ... 400 VAC	230 ... 400 VAC			230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	230 ... 400 VAC	86 ... 520 VAC	86 ... 520 VAC
Functions																						
Total/partial energy kWh	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•			•/•	•/•	•/• (E31)	•/via COM (E34)	•/via COM (E36)	•/•	•/•	•/•	•/•	•/•	•/•
Active power / Reactive power	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•			•/•	•/•	•/-	•/via COM	•/via COM	•/•	•/•	•/•	•/•	•/•	•/•
Dual tariff for kWh		•	•	•	•	•	•	•	•			•	•	• (E31/E32)	up to 4 via com	up to 4 via com	•	up to 4 via com	up to 4 via com	up to 4 via com	•	•
Total/partial energy kvarh	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•			•/•	•/•		via COM	via COM	•/•	•/•	•/•	•/•	•	•
kVA		via COM	via COM		•	•	•	•	•			•	•		via COM	via COM	•	•	•	•	•	•
Load curve															via COM	via COM		via COM	via COM	via COM		
Measurement (I, V, P, Q, S, F and PF)	•	•	•	•	•	•	•	•	•			•	•		via COM	via COM	•	•	•	•	•	•
CT connection indication																	•	•	•	•	•	•
Birectional (energy consumption and production)	•	•	•	•	•	•	•	•	•			•	•		• (E33)	• (E35)	•	•	•	•		
Integrated web server							•						•							•		
Compatibility with Webview		•			•		•		•				•		•			•		•		•
Accuracy																						
Active energy (IEC 62053-21)	class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1			class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1	class 1
Reactive energy (according to IEC 62053-23)	class 2	class 2	class 2	class 2	class 2	class 2	class 2	class 2	class 2			class 2	class 2				class 2	class 2	class 2	class 2	class 2	class 2
Active energy (EN 50470)	class B (E02)	class B (E04)	class B (E06)	class B (E12)	class B (E14)	class B (E16)	class B (E18)	class B (E22)	class B (E24)			class B (E26)	class B (E28)	class B (E32)	class B (E34)	class B (E36)	class C (E42)	class C (E44)	class C (E46)	class C (E48)		
Characteristics																						
Metrological LED	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		
Pulse output	100 Wh	100 Wh	100 Wh	100 Wh	100 Wh	100 Wh		100 Wh	100 Wh			100 Wh	100 Wh				configurable	configurable	configurable	configurable		
Sealing cover (MID version only)	• (E02)	• (E04)	• (E06)	• (E12)	• (E14)	• (E16)	• (E18)	• (E22)	• (E24)			• (E26)	• (E28)	• (E32)	• (E34)	• (E36)	• (E42)	• (E44)	• (E46)	• (E428)		
Phase/neutral inversion protection														•	•	•				•	•	•

		
	COUNTIS Eci2	COUNTIS Eci3
Pulse concentrator		
Case	4 modules	4 modules
Logical inputs	7	7
Analogue inputs		2
ON/OFF output (alarm)	1	1
Partial, total, daily, weekly or monthly kWh or other types of data (liters, m³...)	•	•
Load curve from 8 to 30 minutes	•	•
RS485 Modbus	•	•