The compact and versatile EQ meters A41 and A42 are single phase meters with outstanding performance. They can be used in most of the common applications for reliable and trustworthy metering of energy usage.

EQ meters A41 and A42 in Steel version can be used in stand-alone applications or metering network installations with the option of inbuilt M-Bus or Modbus.

## General features

The A series meters are ideal for many applications and installations. The meters support a wide voltage range as well as a wide temperature range. The display is pixel-oriented and can display up to four quantities at the same time. Navigating the meter is easily done via the push-buttons below the display. To configure the meter settings, the set button must be accessed and this button is protected against unauthorized use when the transparent lid on the front of the meter is closed and sealed. The power consumption of the meter is very low, less than 0.8 VA, makes them economical in the long run - an important feature especially for large meter populations.

## Communication

Data from A41 and A42 in Steel version can be collected via pulse output or serial communication. The meters are equipped with a transistor output for 5-40 VDC external supply. It can be used for pulses proportionally to the measured energy or various alarms. The meters are also available with built-in serial communication interfaces for Modbus RTU (RS-485) or M-Bus as options.

## Approvals

The A41 and A42 meters are type approved according to IEC as well as type approved and verified according to MID. MID is the Measure Instruments Directive 2004/22/EC from European Commission. The type approval is according to standards that covers all relevant technical aspects of the meter. These include climate conditions, electromagnetic compatibility (EMC), electrical requirements, mechanical requirements and accuracy.


Instrumentation
The A41 and A42 meters in Steel version support reading of instrument values.
A large number of electrical properties can be read.

- Active power
- Voltage
- Current
- Power factor


## Ordering details

80 A direct connected, 4 DIN

| Voltage V | Communication | Type | Order code | Weight <br> 1 pc |
| :--- | :--- | :--- | :--- | :--- |
| Steel |  |  |  |  |
| Active energy, pulse output, class B (Cl. 1). |  |  |  |  |
| $57.7 \ldots 288 \mathrm{VAC}$ | - | A41 111-100 | 2CMA170554R1000 | 0.23 |
|  | RS-485 | A41 112-100 | 2CMA170500R1000 | 0.23 |
|  | M-Bus | A41 113-100 | 2CMA100240R1000 | 0.23 |

6 A transformer CTVT connected, 4 DIN

| Voltage V | Communication | Type | Order code | Weight <br> 1 pc |
| :--- | :--- | :--- | :--- | :--- |
| Steel <br> Active energy, pulse output, class B (Cl. 1) |  |  |  |  |
| 57.7...288 V AC | - | A42 111-100 | 2CMA170555R1000 | 0.20 |
|  | RS-485 | A42 112-100 | 2CMA170510R1000 | 0.20 |
|  | M-Bus | A42 113-100 | 2CMA100242R1000 | 0.20 |

## A series

Technical data


