

EMU Allrounder

The multifunctional 5 module (90 mm) width, 3-phase energy and power meter, EMU Allrounder for direct connection up to 85 A, or current transformer /1 or /5 A with S0 Impulse output for active energy. The key measurement values can be read on the display. The Allrounder collects active energy (kWh), with an accuracy of 1 %. This conforms to accuracy class B, as per MiD.



- MiD B + D approval for billing purposes ex-factory
- 1 or 5 A current transformer connection for up to 20'000/5 or 4'000/1 A
- Direct connection up to 85 A
- Control input for high and low tariff, double tariff
- Optional up to 4 tariffs
- High performance Opto Power MOSFET S0 Impulse output, 5–600V AC or V DC, max. 90 mA
- Graphic LC-display (60x30 mm) with background lighting
- 8-digit display with one decimal place 000000.0 kWh
- Mounting on 35 mm DIN rails
- Own consumption just 0.6W/phase
- Accuracy class B (+/-1 %) for active energy EN50470-1, -3
- Can be read remotely via different interfaces



S0 Impulse output

Standard configuration S0 Impulse output

- Active energy import

Adjustable pulse rate and length

Pulse rate per kWh: 0.001, 0.01, 0.1, 1, 10, 100, 1'000 or 10'000

Pulse duration in milliseconds: 1, 2 to 250 ms, adjustable in 2 ms-stages

Factory set configuration in energy meters for:

Direct connection: 1'000 pulses/40 ms

Transformer connection: 10 Impulses/120 ms

Optional read-out interface



MiD-approval



As per MiD modules B + D for billing purposes ex-factory.

Examples of use

- Cost centre billing
- Ventilation and heating facilities
- Building services management system
- Energy management

Display data

	Total 3 phases	Per phase	Per tariff
Active energy import (kWh)	•		•
Active energy import (kWh) resettable	•		•
Active power (kW)	•	•	
Current (A)	•	•	
Voltage (V) L-N		•	
Number of power failures	•		

Part No. Description

Direct connection			
A0200000	EMU Allrounder 3/85	3x230 / 400V AC	MiD B+D
A020000M	EMU Allrounder 3/85 M-Bus	3x230 / 400V AC	MiD B+D
Current transformer connection			
A1200000	EMU Allrounder 3/5	3x230 / 400V AC	MiD B+D
A120000M	EMU Allrounder 3/5 M-Bus	3x230 / 400V AC	MiD B+D

Energy meters with 0.5 % accuracy, for deviating operating voltages or with other display data, for instance apparent power, can be supplied on request.