

Aidon 6534 meter without a system module

Three-phase household kWh meter

Device structure

Aidon energy meter works as a stand-alone meter without a system module. It only measures energy, and has no connection to the reading system or to any other device. There is no possibility to extract data from the meter.

Reduced functionality

The Aidon meters are designed for demanding industrial and household energy metering.

The meter's features include 4-quadrant energy measuring. Active total energy value is always shown on the display. The meter is not storing any historical data nor logging the customer energy consumption other than accumulation of the consumed energy over time.

Efficient, robust and secure

The device is easy and efficient to install to different environments. Demanding climate conditions are taken into account in the device's robust design and in the material selections.

The device's inbuilt functionality secures correct installation by detecting and informing about installation related faults on the device display.



The Aidon 6534 3-phase meter without a system module is a stand-alone meter for energy measuring billing purposes.

- 4-quadrant energy measuring
- Inbuilt detection functionality for correct installation
- Robust design for demanding environments

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Technical data

Accuracy Class	<ul style="list-style-type: none"> Active energy, class B Reactive energy, class 1 	Test Pulse Constant	<ul style="list-style-type: none"> 1 000 imp/kWh
Mechanical Properties	<ul style="list-style-type: none"> DIN 43857 IP 51 1.6 kg 	Relay Module	<ul style="list-style-type: none"> 2 x 16 A relays with change-over contacts
Metrological Requirements	<ul style="list-style-type: none"> EN 50470-3 	Display	<ul style="list-style-type: none"> 8 characters + 5 OBIS code characters + additional symbols
Voltage	<ul style="list-style-type: none"> Un = 3 x 230 V/400 V -20% to 15% Un 	Registers	<ul style="list-style-type: none"> Active energy +/- Reactive energy +/- Tariffs (4) Current, voltage and power Alarm register
Current	<ul style="list-style-type: none"> Rated current 5 A Maximum current 100 A Starting current < 25 mA 	Installation	<ul style="list-style-type: none"> In accordance with standard DIN 43857
Frequency	<ul style="list-style-type: none"> 50 Hz +/- 1 Hz 	Meter Dimensions	<ul style="list-style-type: none"> 264 x 170 x 86 mm
Self-consumption	<ul style="list-style-type: none"> Voltage circuit 0.7 W/phase, 4.1 VA/phase Current circuit <0.03 VA 	With a short cover	<ul style="list-style-type: none"> 215 x 170 x 86 mm
Temperature Range	<ul style="list-style-type: none"> -40...+70°C 	Circuit Breaker	<ul style="list-style-type: none"> For local electricity connection or disconnection
Overvoltage Protection	<ul style="list-style-type: none"> Isolation voltage 4 kV Impulse voltage 12 kV 		
1 SO Output	<ul style="list-style-type: none"> 500 imp/kWh IEC 62053-3 class A and B 		