



"We make metering values available"

Aidon 5510

Single-phase kWh meter

Modular and user-friendly

The meter concept is based on Aidon's fundamental philosophy, where the system consists of components, each of which has its own defined role. This makes Aidon's industrial meters unambiguous and easy to use as components in a metering system.

Complete AMR meter

Optimum performance is achieved when the meter becomes a part of a module system. A range of System Modules is available for the meter. If a System Module is installed, the necessary connection with the preferred communication infrastructure is created, and extra functionality is also gained. The design enables a System Module to be replaced without the need to reinstall or re-approve the meter.

An open system

The meter is designed to form part of an open system architecture. Its open communication interface enables easy connection of the meter to other systems.

Efficient to install

Aidon Meters have been designed for straightforward and efficient installation under different conditions. The meter's ease of handling makes it easy and inexpensive to outsource the installation work.

Reliability

The long lifespan of the meter makes your investment secure. The demanding Scandinavian climate was taken into account during the design and material selection stages. All meters undergo comprehensive testing before they are delivered and installed.



Openness, modularity and advanced functionality to your metering based on Aidon's new innovations. The Aidon 5510 meter family is designed to meet the energy metering needs of the future.

Environmentally friendly

Our meters are manufactured in accordance with the latest environmental standards. The modular structure also helps you to avoid having terminal boards based on technologies with different lifetimes, as only essential replacements need to be carried out.

Aidon Oy
Piippukatu 11
FIN-40100 JYVÄSKYLÄ, FINLAND
www.aidon.fi

Technical data, Aidon 5510 & 5511

Accuracy class	Class B for active kWh	Test pulse constant	2 000 imp/kWh
Mechanical properties	DIN 433857 IP 51	SO output	2 000 imp/kWh, (DIN 43864)
Metrological requirements	EN 50470-3	Serial channel	RS485 (option) Optical interface
Voltage	Un = 230 V Measurement range -20% to 15% Un	LCD display	6 integers + additional symbols
Power consumption	1.5W/2.0VA	Registers	A+ A- R+ R- Tariffs (4) Current and voltages Alarm register
Current	Rated current 5 A Maximum current 65 A Starting current < 25 mA	Communication	IEC 62056-21 and IEC 62056-61
Frequency	50 Hz +/- 1 Hz	Dimensions (hwxwd)	210 x 130 x 67
Temperature range	Operation -40...+70 °C LCD operation -20...+55 °C	Meter types	
Overvoltage protection	Isolation voltage 4 kV (Isolation voltage between relay and open contacts 1500V) Impulse voltage 12 kV	Aidon 5510:	65A, 0,25-5(65)A
		Aidon 5511:	65A with Circuit Breaker

System Module alternatives

All Aidon Meters can be extended into fully integrated AMR meters, simply by plugging in the relevant System Module.

Aidon System Modules have an open and modular architecture, thus enabling Aidon to offer different module types with optional functionalities. Various System Modules can also support combinations of different communication technologies, such as GPRS ("upstream" communication) combined with, for example, RS485.

Aidon also offers tailor-made System Modules based on customer requirements. Aidon cooperates with other AMR suppliers of open technology, and is thus able to offer System Modules containing the communication technologies of cooperating suppliers. The measuring unit can therefore be utilized together with existing AMR systems.