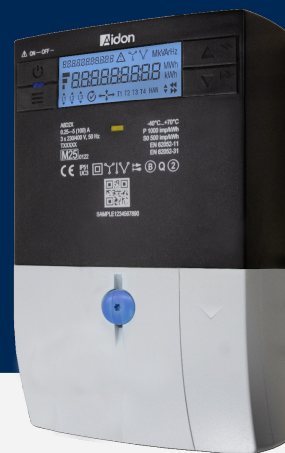


Aidon 8000 Series

From household to high-accuracy metering



Challenges of a Smarter Energy Era

Electrification and **distributed energy resources** are making low-voltage grids increasingly complex. Utilities require **real-time visibility and control** to maintain reliability and optimise performance.

Modern grid management calls for **intelligent solutions** that deliver **accurate, real-time data** to support outage handling, demand response and proactive maintenance.

Energy companies face pressure to **reduce operational costs** while meeting **sustainability targets**. This calls for solutions that combine durability, future-proof connectivity and minimal environmental impact **throughout the entire lifespan**.

Discover the Solution

Aidon 8000 Series is an **advanced metering solution** combining **compact design, intuitive user interface, advanced safety features** and **future-proof connectivity**.

The meter family includes **DC, CT and CT/VT models** for different applications, from household metering to high-accuracy needs.

Comprehensive **measurement capabilities** and **integrated smart grid intelligence** support **outage management, demand response** and **proactive maintenance**.

Flexible connectivity options and remote upgradability ensure long-term value, while **sustainable design** minimises **environmental impact**.

The 8000 Series helps utilities **improve efficiency and reliability in everyday operations**, supporting the entire lifespan from installation onwards.



Compact & flexible with advanced safety

Fits diverse installation environments and adapts to changing network needs including advanced safety functionality.



Edge intelligence

Processes data locally for fast fault detection, demand response and power quality insights.



Reliable connectivity

Ensures secure, future-proof communication with multiple technology options.

Covered Use Cases

Completely new meter concept designed for the needs of modern electricity distribution.

What it enables...

Adaptable to any installation

The meters support **both 1-phase and 3-phase systems** and can be configured for **3- or 4-wire networks**. This flexibility allows utilities to use the **same device in diverse environments**, from new builds to renovations, reducing complexity and improving logistics.

Operational safety innovations

Built-in checks **detect wiring errors** and manipulation attempts. A **sealable screw cover** and lockable terminal cover provide extra protection when opened, while **temperature monitoring** and **overvoltage protection** ensure safe operation.

Accurate measurement and insights

Delivers **precise energy data** and **load profiles** for reliable billing and grid monitoring. Timestamped measurements enable utilities to **analyse usage patterns** and **optimise performance**.

Demand response with load control relays

Integrated **Adjacent Control Switch (ACS)** enables utilities to manage load control at the metering point, **supporting demand response programs** and **optimising energy usage during peak periods**. This reduces stress on the grid and helps avoid costly network reinforcements.

Secure and reliable connectivity

Field-proven **LTE-M/NB-IoT** and **RF connectivity** ensures reliable data transfer in all environments. Supports **future-proof eSIM technology** for long-term adaptability.

Environmental compliance and sustainability

Design **minimises carbon footprint** and supports long lifecycle, reducing waste and aligning with sustainability targets. Meters' **connectivity** and **upgradeability** help utilities adapt to evolving requirements **without replacing devices**.

Business Impact



Investment efficiency

Optimise investments by **upgrading existing infrastructure** instead of full replacements, reducing upfront costs and accelerating deployment.



Lower operational cost

Cut costs via **remote diagnostics and fewer on-site visits**, improving workforce efficiency, safety, and reducing downtime.



Revenue protection

Prevent losses from technical issues and energy theft with **advanced alerts**. Lower insurance costs through **improved safety**.