HYPERION GENERAL DESCRIPTION EN

OVERVIEW

The Hyperion is a powerful wireless energy meter for precise measurement of electrical energy parameters in industrial, commercial, and infrastructure applications. It enables measurement of up to three phases and supports both direct measurement (up to 100 A) and measurement via current transformers (up to 1600 A).

Thanks to its support for mioty® and LoRaWAN® wireless communication, the Hyperion offers a future-proof solution for smart metering applications with reduced installation effort. Bidirectional measurement makes it particularly suitable for applications with feed-in, such as solar power systems. The MID B + D approval also allows it to be used for billing-related measurements for more than three years.

MAIN FEATURES

The Hyperion energy meter offers a precise and versatile solution for wireless real-time measurement of electrical energy parameters. It supports bidirectional measurement of energy flows and is therefore suitable for both consumption and feed-in scenarios, for example in connection with photovoltaic systems. Measurements can be taken directly for currents up to 100 A or, alternatively, via current transformers for currents up to 1600 A.

Thanks to integrated wireless communication via mioty® or LoRaWAN®, the Hyperion can be easily integrated into existing IoT or energy management systems – without any additional cabling. MID B + D approval allows it to be used in billing-related applications with a runtime of over three years. The Hyperion is designed for DIN rail (5TE) mounting for easy installation.

A backlit LC display with dynamic 8-digit display provides user-friendly visualization of the recorded data directly on the device. In addition, the integrated load profile storage enables detailed analysis of energy consumption over defined periods of time. The combination of precise measurement technology, versatile communication, and easy integration makes the Hyperion a future-proof component for modern energy recording systems.

APPLICATION EXAMPLES

The Hyperion is ideal for the following applications in the field of energy recording and monitoring:

- Recording electricity consumption in industrial production facilities
- Energy monitoring in office buildings, logistics centers, and data centers
- Consumption and feed-in recording in photovoltaic systems
- Accurate consumption measurement for billing purposes in rental and commercial units
- Use in energy management to identify potential savings
- Retrofit projects for the subsequent digitization of existing electrical distribution systems
- Automated consumption measurement in supply networks and municipal utilities
- Consumption data collection for sustainability reports and CO_2 balances