

1 & 3-PHASE ENERGY METER - NMID30

NMID30-1

Energy meter for single- and three-phase networks with MID certificate 1/5A

- Compliant with MID (B+D modules) for accurate billing and monitoring.
- Measures consumed and returned active energy with B-class accuracy.
- Supports 100A direct measurement or current transformers.
- Features RS-485 with Modbus RTU for easy system integration.
- Programmable current direction corrects reverse transformer connections.



PRODUCT DESCRIPTION

Lumel's energy meters are advanced devices designed to monitor and manage electrical parameters in single-phase and three-phase networks. Engineered for precision and versatility, these meters are fully compliant with the MID (B+D modules) directive, ensuring their suitability for billing and energy management applications. They offer B-class accuracy for active energy measurement, tracking both consumed and returned energy to provide a comprehensive view of energy usage and efficiency.

The range includes two models tailored for different requirements:

- NMID30-1: Equipped with measurement inputs for use with current transformers, ideal for large-scale or high-capacity systems.
- NMID30-2: Designed for direct current measurement up to 100A, offering a compact solution for straightforward installations.

Both models are packed with features that ensure ease of use, robust performance, and seamless integration with modern energy management systems.

Key Features:

- **MID Directive Compliance:** Fully compliant with MID (B+D modules), suitable for regulated billing applications.
- **B-Class Accuracy:** Measures active energy consumed and returned with precision, enabling better energy management.
- **Flexible Measurement Options:**
 - NMID30-1: Compatible with current transformers for scalable energy monitoring.
 - NMID30-2: Direct measurement up to 100A for simplified setups.
- **Advanced Connectivity:** Equipped with RS-485 digital interface and Modbus RTU protocol, ensuring compatibility with Building Management Systems (BMS) and remote monitoring.
- **User-Friendly Configuration:** Features a backlit display showing up to 16 parameters and intuitive buttons for easy setup.
- **Programmable Direction Correction:** Automatically corrects for reverse-connected transformers, reducing installation errors.
- **Built-in Pulse Output:** Enables integration with additional monitoring and control systems.

These energy meters are designed for modern residential, commercial, and industrial applications, delivering precise energy insights and seamless connectivity to support efficient energy use and management. Whether for billing, monitoring, or optimisation, our energy meters provide the reliability and functionality you need.