

# Single-Phase and Three-Phase Energy Meters

These energy meters are designed for measuring electrical energy consumption in residential, commercial, and industrial applications. Some models feature digital displays and Modbus communication interfaces for remote data access and control.



## ADDITIONAL IMAGES



## Overview

### Advanced Energy Metering Solutions

The N8DM series offers advanced single and three-phase multifunction DIN rail meters designed for precise energy measurement in diverse electrical environments. These meters support comprehensive monitoring of voltage, current, power, and active or reactive energy, providing essential data for both imported and exported energy. With a user-friendly industrial design featuring large LCD displays and touch-sensitive controls, they ensure ease of operation while maintaining secure configuration through password protection.

## Technical Specifications

|                               |                                |
|-------------------------------|--------------------------------|
| Supported Configurations      | 1P2W, 3P3W, 3P4W               |
| Maximum Current               | 100 A                          |
| Communication Interfaces      | Pulse Output, RS485 Modbus RTU |
| Max Demand Integration Period | 60 min                         |

## Standards and Certification

### Compliance

EU Directive 2014/32/EU • EN50470-1/3 • 3K6

|                  |              |
|------------------|--------------|
| Traceable Number | 0120/SGS0430 |
|------------------|--------------|

## Device Models

### Model Specifications

| Model Type          | Voltage    | Current Range |
|---------------------|------------|---------------|
| Single-Phase (Low)  | 230V       | 0.25-3(45)A   |
| Single-Phase (High) | 230V       | 0.5-10(100)A  |
| Three-Phase         | 3x230/400V | 0.5-10(100)A  |