

KWH METER

1 phase

DIGITAL - RS485 MODBUS



Overview

EDM MD200 single-phase electric meter is designed for single-phase energy measurement on low voltage system. The meter meets the related technical requirements of electronic meter in the IEC62053-21, IEC62053-22 standards.

MD200 single phase, which is DIN rail electronic watt-hour meter "with a blue back-lighted LCD screen for perfect reading" are used to measure single-phase like residential, utility and Industrial application. The unit measures and displays various important electrical parameters, and provides a communication port for remote reading and monitoring. The MD200 is an advanced three phase energy monitoring solution with built-in configuration push button and LCD data displaying. Its bi-directional measurement makes the meter suitable for active and reactive energy and power monitoring applications. With RS485 Modbus port, the meter is easily to remote communicate with other AMR/SCADA systems.

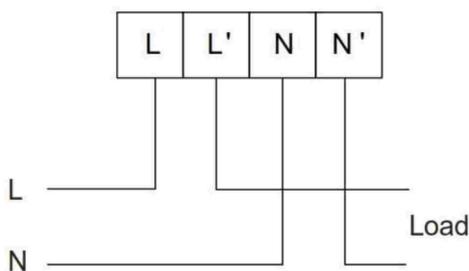
Features

Function	Description	Provide
Measurement of kWh	kWh (positive and negative)	
	kVAh (positive and negative)	
Measurement Electrical	V, I, P, Q, S, PF, Hz	
LCD Display	8 digits	
Key	3 keys	
LED alarm	Voltage loss and Over Voltage	
Pulse output	kWh	
Communication	Infrared	
	RS485, MODBUS-RTU	

Parameters

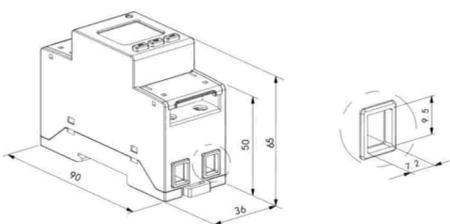
Voltage	Reference Voltage	AC220
	Reference Frequency	50Hz
	Power Consumption	<10VA
Current	Basic Current	10A
	Maximum Current	80A
	Consumption	<4VA
energy accuracy	Active Energy	Class1
	clock	Accuracy
active pulse	Width	80±20ms
	Constant	1000imp/kWh
Communication	Interface	RS485
	Protocol	Modbus RTU

Wiring

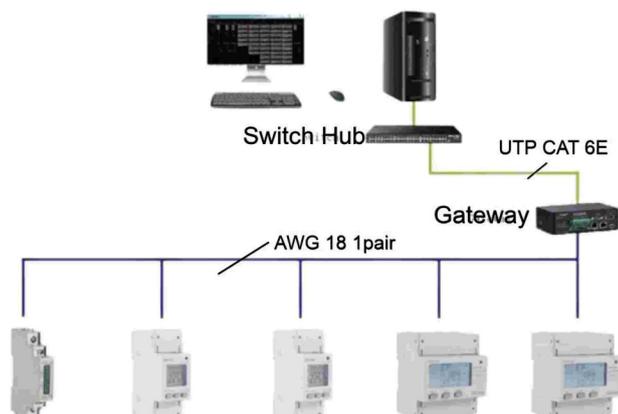


Temperature	Working	-25 °C ~55 °C
	Storing	-40°C ~70 °C
Humidity	≤95%(No condensation)	
Altitude	<2000m	

Dimensions



Network



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