

## APM980 DIN Rail Single-Phase Electronic KWH Energy Meter

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### APM980 Series

- **High reliable, compact design**
- **Standard DIN rail installation**
- **Conforms to IEC 62053-21 energy meter standards**
- **Easy to read, 7-digit LCD display**
- **RS485 communication interface**



APM980 DIN Rail Single-Phase Electronic KWH energy meter is a robust and cost effective single phase electricity meter, which adopts micro-electronic technology with a special integrated circuit. It has anti-EMI and low-power features and is widely used in the office buildings, shopping malls, residences, airports and metro station etc.

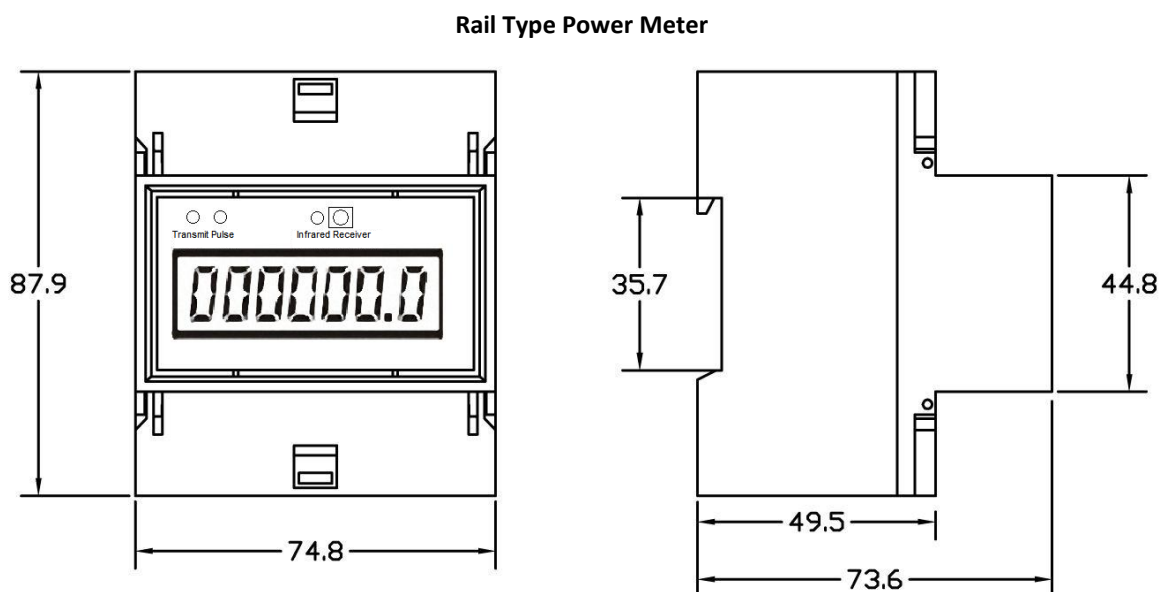
APM980 energy meter features digital sampling processing technology. Its technical performance fully meets the international standards of IEC 62053-21 in grade 1 of single-phase active watt-hour meters. The device is capable of accurately measuring 50 Hz or 60 Hz active energy consumption from single phase two wire AC electricity network.

With a compact design, and standard 35 mm DIN-rail mounting housing, it can be installed quickly and conveniently. The large LCD display shows active power consumption, which can be remotely monitored through the RS485 interface.

## Key Features

- 35 mm DIN standard guideway installation which conforms to the DIN EN 50022 standard, or pre-plate installation
- 7-digit LCD display, with a standard configuration of 6 + 1 (999999.1 kWh) display units, can also be configured for 5 + 2 displays
- Red and green LEDs for infrared communication instructions. Also includes Infrared emitting head and infrared receiver
- The standard configuration includes check current load current trends and automatically detect load current trend direction, which is indicated by a single LED
- The power consumption of two single phase lines is independent of the current load current trend, which conforms to the IEC 62053-21 standard
- Standard S-type connections (bottom line, top line), direct access, optional CT access and PT & CT access
- The standard configuration of short terminal blocks can be used to select extension terminals and ensure safe operations
- The standard configuration communication protocol meets the DL/t645-1997 standard

## Diagram

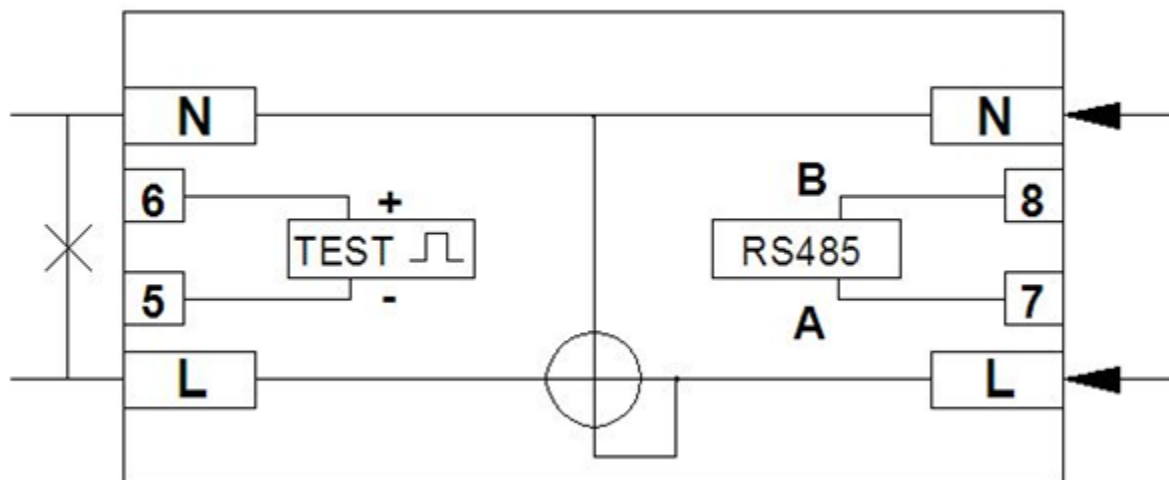


## Specifications

Name	Type Number	Precision	Reference Voltage	Current Specifications	
Single-phase guideway	APM980	1.0 level	220/380 V	1.5(6) A	
installation electronic type		2.0 level	230/400 V	5(30) A	10(60) A
			240/415 V	20(80) A	30(90) A
				5(20) A	10(40) A
				15(60) A	20(80) A
				30(100) A	

## Wiring Diagram

The pulse test output is the passive photoelectric isolation mode. The two lines are connected to the signal terminals 5 (-).6 (+).



## Ordering Information

Item	Description
APM980-DIN-220-10	APM980 DIN rail single-phase electronic watt-hour power meter 220V AC, 10(40)A, 50Hz

## Contact Information

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