



DATASHEET: Smart Meter ADL400



DIN Rail Energy Meter, ADL400

ADL400 DIN rail energy meter is designed particularly for calculating the consumed electric energy in power supply systems, industrial and mining companies and utilities.



■ TECHNICAL DATA

Specification

3-Phase 3-Wire/3-Phase 4-Wire

Voltage

Reference voltage: 3×100V, 3×380V, 3×57.7/100V,
3×220/380V

Power consumption: < 10VA (single phase)

Resistance:>2MΩ

Accuracy: Error ±0.2%

Current

Input current: 3×1(6)A, 3×10(80)A

Power consumption: < 1VA (single channel rated current)

Accuracy: Error ±0.2%

Power

Active power, reactive power and apparent power, error
±0.5%

Power frequency

45 ~ 65Hz, error ±0.2%

Metering

Electric energy kWh: Active kWh (Class 0.5S) Reactive kWh
(Class 2S)

Clock: ≤0.5s/d

Digital signal

Energy pulse output: 1 channel active optocoupler output

Pulse

Pulse width: 80±20ms

Pulse constant: 400imp/kWh, 10000imp/kWh (correspond
with basic current)

Communication

Interface and protocol: RS485 interface, Modbus RTU
protocol, DL/T645 protocol

Range of communication address: Modbus RTU: 1~ 247;

Baud rate: 1200bps~19200bps

Work environment

Work temperature: -25°C~+55°C

Relative humidity: ≤95% (no condensation)

