Loreme CPL35 AC/DC electrical measurement converter

TRMS AC and DC electrical measurement transducer on DIN rail
Voltage, current, power, energy, analog outputs and relay



KEY FEATURES

- Extended entries
- Outings and communication
- Precision

Description

The Loreme CPL35 is a rail-mounted DIN electrical measurement converter that measures true effective voltage and alternating or direct current, active, reactive and apparent power, energy, power factor and frequency. It is programmed as a voltmeter, ammeter, wattmeter, frequency meter or energy meter.

Extended entries

Voltage up to 600 VAC or ±900 VDC (1200 VAC / ±1800 VDC in the high-voltage version), current 1 A or 5 A direct current, or via shunt, current transformer, Hall effect sensor or Rogowski coil. Balanced single-phase, two-phase and three-phase networks.

Outings and communication

One or two isolated analog outputs 0…10 V or 0/4…20 mA, up to three alarm or energy pulse relays, Ethernet Modbus TCP with web server and RS485 Modbus as an option.

Precision

±0.3% full scale in voltage and current, ±0.5% in active power. The LED display on the front panel allows you to read the values and configure the device.

Typical applications

- Current measurement of motors and resistors
- Power monitoring and energy counting
- DC installations: batteries, photovoltaics, electrolysis
- Transmission of electrical quantities to an automaton

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Technical specifications

Sizes	U, I TRMS AC/DC, P, Q, S, energy, cos , frequency 1 to 440 Hz
Voltage input	150 and 600 VAC, ±225 and ±900 VDC; high voltage 1200 VAC / ±1800 VDC
Current entry	1 A or 5 A direct, shunt 250 mV, Hall effect ±4 V, Rogowski (CPL35-Rogo)
Precision	±0.3% PE (U, I), ±0.5% (P), ±0.2% (frequency)
Analog outputs	1 or 2 isolated, 0…10 V or 0/4…20 mA, option ±10 V
Relais	Up to 3 alarms or energy pulses
Communication	Ethernet Modbus TCP, SNMP, web server; RS485 Modbus optional
Nutrition	55 to 265 VAC/DC or 12 to 30 VDC, 3 VA
Assembly	DIN rail, IP20, detachable brackets
Display	4-character alphanumeric LED

Technical advice and quote

DYNATIME SA distributes this product in Switzerland from Marin (NE). Our team helps you choose the right version for your application and sends you a quote quickly.
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