

Ideal for Renewables!



CVM-C10

Front Panel Mounted Power Analyzer

Description

The CVM-C10 is a power analyzer for 96x96 mm panels with a compact energy log and four-quadrant measurement (consumption and generation). Suitable for medium- and low-voltage installations in three-phase circuits with three or four wires, two-phase circuits with or without neutral, ARON connections and single-phase circuits.

FEATURES

- 333mV or 1/5A Current Inputs (model dependent)*
- Modbus RS-485 serial communications
- 2 transistor outputs, configurable for impulses or alarms
- 2 relay outputs, configurable for alarms
- 2 digital inputs for selecting three tariffs or detecting logical states
- Allows for tariff selection through communications
- Precision class 0.5 in voltage and current; 1 in power and energy

Display features and interface:

- Quick display using a single button
- Capacitive keypad with three keys
- Backlit high-contrast LCD screen



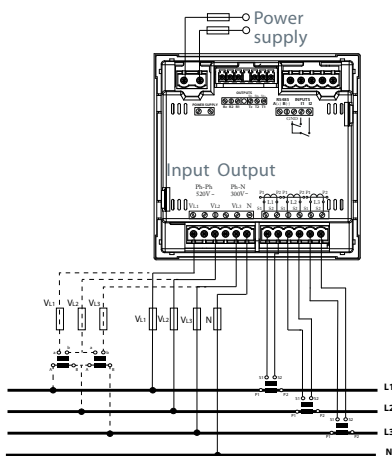
APPLICATIONS

- Measurement in medium- and low-voltage installations
- Measurement in three-phase circuits (three or four wires), two-phase circuits (with or without neutral), single-phase circuits and ARON connections.

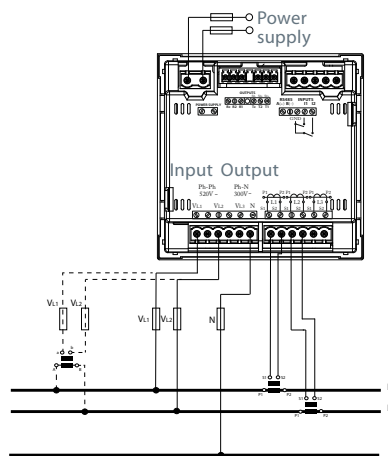
CONNECTIONS*

333mV or 1/5A Current Inputs (model dependent)

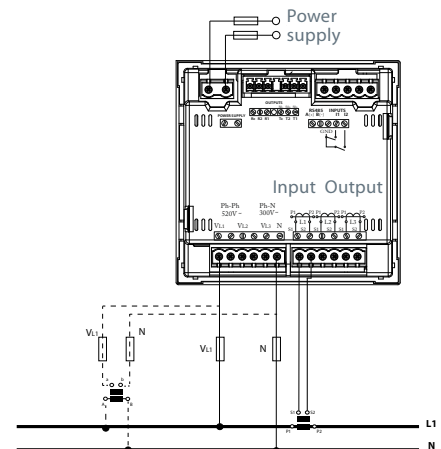
Three-phase + neutral connection with or without potential transformers



Single-phase 3-wire connection with or without potential transformers



Single-phase 2-wire connection with or without potential transformers



* Model dependent
Technical details subject to change

Call Toll Free: 1-877-PQ-SOLNS (1-877-777-6567) or 303-805-5252 email: info@measurlogic.com

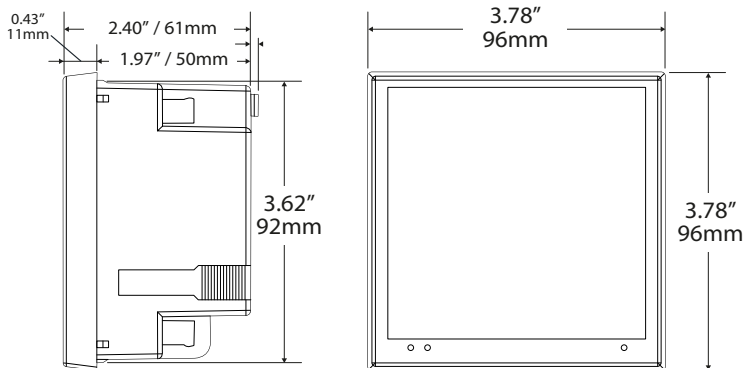
MEASURLOGIC

www.measurlogic.com

SPECIFICATIONS*

Power circuit	Power supply voltage	85...265 Vac / 95...300 Vdc
Measurement circuit	Voltage	300 Vac ph-N / 520 Vac ph-ph
	Frequency	50...60 Hz
	Current	ITF ... /5 A & /1 A MV... /333 mV
	Sampling (samples/cycle)	64
Accuracy class	V, A, W	0,5%
	Wh	1%
Energy Measure	Fullscale per phase	1000 MWh
	Fullscale total	10000 MWh
Display of harmonics, up to the	V, A	31°
Communications	Protocol	RS-485 Modbus/RTU
	Speed	9600, 19200, 38400
	Bit, parity, stop (configurable)	8, n, 1
Outputs	2 digital outputs	50 interface Configurable, up to 1,000 impulses 2 NPN transistors (Only in version 3 CT) (24Vdc max., 50 mA, 5 imp/s, Max. Ton/Toff configurable)
	2 relay outputs	Max. / Min / NO/NC / Hysteresis / Latching 250 Vac, 6A
Inputs	2 digital inputs	Tariff selection or external alarms NPN, optocoupled
Build features	Enclosure	V0 self-extinguishing plastic
	Protection degree	Front panel IP 65 Rear IP 20
Environmental conditions	Dimensions	96 x 96 x 60,9 mm
	Operating temperature	-10 ... +50 °C
	Relative humidity	5 ... 95%
	Maximum altitude	2000 m
Safety	Class III according to EN 61010 Double-insulated electric shock protection, class II	
	Standards	IEC 61000 IEC 61000-4-3, IEC 610004-1 IEC 61000-4-4, IEC 610004-5 Measurement according to MID, in accordance with UL

DIMENSIONS



MODEL NUMBERS

Current / Channels	Current input	Type
3	/5 - /1 A	CVM-C10-ITF-485-ICT2
3	/333 mV	CVM-C10-MV-485-ICT2
4	/5 - /1 A	CVM-C10-ITF-IN-485-IC2

Distributor:

Call Toll Free: 877-PQ-SOLNS (877-777-6567)

Fax (425) 799-4780

email: info@measurlogic.com

* Model dependent
Technical details subject to change

15R1

MEASURLOGIC

www.measurlogic.com