



ENAPART



93 S Railroad Avenue Unit C
Bergenfield NJ 07621 USA
www.enapart.com
sales@enapart.com



Via del Canneto 35,
Borgosatollo, Brescia - Italia
www.enapart.it
vendite@enapart.it



Barbaros Mah. Ihlamur Bul. Aĝaoĝlu
My Newwork No:3/15 Ataşehir / İstanbul
www.enapart.net
satis@enapart.net



PRIVADA 10 B SUR #3908 COL.
ANZUREZ, C.P. 72530, PUEBLA, PUE
www.enapart.com.mx
sales@enapart.com.mx



Friedrich-Ebert-Anlage 36, 60325
Frankfurt am Main, Germany
www.enapart.de
anfrage@enapart.de



4 boulevard Carnot, 95400
villiers-le-bel, Paris, France
www.enapart.fr
sales@enapart.fr



65049, ОДЕСА, ВУЛИЦЯ ІВАНА
ФРАНКА, БУДИНОК 55, ПОВЕРХ 3
www.enapart.com.ua
sales@enapart.com.ua



MUNICIPIUL BUCUREȘTI, SECTOR 3,
B-DUL BASARABIA, NR.250, CORP P+5
www.enapart.ro
sales@enapart.ro



〒584-0023 大阪府富田林市若松町
東2丁目2番16号
www.enapart.co.jp
sales@enapart.co.jp



PLAZA NUESTRA SEÑORA DE LAS
NIEVES 12 ,LOCAL ,50012,ZARAGOZA
www.enapart.es
ventas@enapart.es



Складова база „Онгъл“, Склад А2, п.к.
4006, гр. Пловдив, България
www.enapart.bg
sales@enapart.bg



3 Austin Mews, High Street, Hemel
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CVM-C

Basic & portable
Multifunction MultiMeter

The new generation of CVM

Technical features

CVM-1D

Model	Code
CVM-1D-C	M55510
CVM-1D-RS-485-C	M55511

Power supply circuit

Single-phase power supply	230 V _{AC} ±20%
Consumption	1.5 VA
Frequency	50 / 60 Hz

Metering circuit:

Phase – Neutral nominal voltage	184 V _{AC} to 276 V _{AC}
Frequency	50 / 60 Hz
Nominal current	32 A
Minimum current	20 mA
Maximum current	36 A

Output transistor characteristics

Type	Optoinsulated transistor (commutator open) NPN
Maximum operating voltage	35 V DC
Maximum operating current	50 mA
Maximum frequency	5 impulses / s
Impulse duration	100 ms (configurable)
Insulation	3.7 kV _{RMS} / 1 min

Communications

Port / Protocol	RS-485 / Modbus/RTU
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Environmental conditions

Operating temperature	-10 °C to + 50 °C
Protection degree	IP 31
Humidity (non-condensing)	5% to 95%
Maximum altitude	2000 m

Safety

Type of insulation	EN 61010 double-insulated electric shock protection class II
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Standards

IEC 664, VDE 0110, UL94-V0, EC 801, IEC 348, IEC 571-1, Class B
EN 50470-3 in Active Energy, Class 2 **EN 62053-23** in Reactive Energy,
EN 50470-1, EN 61010, EN 61000-4-3, EN 61000-4-4, EN 61000-6-4, EN 55022

www.circutor.com

CIRCUTOR, SA - Vial Sant Jordi, s/n
08232 Viladecavalls (Barcelona) Spain
Tel. (+34) 93 745 29 00 - Fax: (+34) 93 745 29 14
central@circutor.es

