

AC/DC True RMS Clamp-Meters – CP4 - SERIES

Accurate, Rugged, Versatile and Reliable

- AC/DC low current measurement down to mAmps
- Auto ranging 4/40A with 1/10mA resolution (CP41)
- Auto ranging 40/400A with 10/100mA resolution (CP410)
- Auto ranging 400/1000A with 100mA/1A resolution (CP1010)
- Conformance to IEC1010 and EMC standards
- Auto Zero and Auto Power Off
- Low battery indicator
- Compact lightweight design



High Accuracy

Advanced patented magnetic circuit design results in accuracy to be little affected by external magnetic fields or off-centre conductor positioning.

EN61010-2-032:2002 and EMC Conformance

Safety features including a tactile barrier and special jaw design provide the user with confidence when making measurements in hazardous voltage areas.

Conformance to EMC standards ensures high reliability through reduced susceptibility to electromagnetic interference.

TYPICAL APPLICATIONS

- Leakage current measurements (CP41)
- Process control for 4 – 20mA current loop verification (CP41)
- Battery charging systems
- Starting currents
- Light industrial and residential electrical installation testing

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SPECIFICATIONS

NON-INVASIVE CURRENT MEASUREMENT

MODEL	CP 41	CP 410	CP 1010
Current Ranges (auto-ranging)	4A/40A DC or AC _{PK}	40/400A DC or AC _{PK}	400/1000A DC or AC _{PK}
Measurement method	True RMS, 100 msec response time		
Resolution	±1mA / ±10mA	±10mA / ±100mA	±100mA / ±1A
Basic Accuracy	±1% of reading ± 5 digits		

FREQUENCY RESPONSE

DC only	DC
AC only	15Hz – 400Hz

DISPLAY

Size and type	4000-count LCD 10mm characters
Status indication	Low Battery, Polarity
Refresh rate	2 times per second

POWER SUPPLY

Battery type	9V Alkaline: MN1604, PP3 IEC 6LR61 or equivalent
Battery life	15 hours (CP41) 50 hours (CP410/CP1010)

MECHANICAL DATA

Dimensions (mm)	194 (H) x 74 (W) x 25 (D)
Jaw Capacity	25mm ∅ (CP41/CP410) 32mm ∅ (CP1010)

Weight 235gr.

ENVIRONMENTAL DATA

Operating Temperature	0°C to 50°C (32°F to 122°F)
Temperature Coefficient	± 0.15% of reading per °C (± 0.1% of reading per °F)
Storage Temperature (without battery)	-20°C to 85°C (-4°F to 185°F)

SAFETY

EN61010-2-032:2002,
300V, Measurement Category III, Pollution Degree 2.

MAXIMUM SAFE VOLTAGES

300V AC RMS or DC between uninsulated conductor and ground

EMC Standard EN 61326-2-2:2006

All accuracies stated at 23°C ± 1°C (73.4°F ± 1.8°F)

Part No	MODEL
P-12.230.0	CP41
P-12.480.0	CP410
P-12.601.0	CP1010

GMC-I PROSyS Ltd. offer a wide range of non-invasive Probes and Clamp Meters for the measurement and analysis of Current and Voltage

*Only CP41, and CP410 UL Listed

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