

AC/DC True RMS Clamp-Meters - CP4 Series

Accurate, Rugged, Versatile and Reliable

- AC/DC Low Current Measurement down to mA.
- 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.

Safety 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 European 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.

SPECIFICATIONS

NON-INVASIVE AC / DC 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 ms response time		
Resolution	±1mA / ±10mA	±10mA / ±100mA	±100mA / ±1A
Basic Accuracy	±1% of reading ± 5 digits		

Environmental data

Operating Temperature: 0°C to 50°C (32°F to 122°F)
 Temperature Coefficient: ± 0.15% of reading per °C
 Storage Temperature (Without Battery): -20°C to 85°C (-4°F to 185°F)
 All Accuracies Stated at 23°C ± 1°C (73.4°F ± 1.8°F)

Safety

EN 61010-1
 EN 61010-2-032
 300V Measurement Category III
 Pollution Degree 2.

300V AC RMS or DC between uninsulated conductor and ground.

EMC Standard: EN 61326-2-2

Display

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

Part / Model Number

Dimensions: (mm) 194(H) x 74(W) x 25(D)
 Jaw Capacity: 25mm ∅ (CP41/CP410)
 32mm ∅ (CP1010)
 Weight: 320g

Mechanical Data

P-12.230.0 CP41
 P-12.480.0 CP410
 P-12.601.0 CP1010

Power Supply

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

Frequency Response

DC only: DC
 AC only: 15Hz – 400Hz

*Only CP41, and CP410 UL Listed

GMC-I PROSYS Ltd offers a wide range of non-invasive Probes, Clamp Meters and Transducers for the measurement and analysis of Current and Voltage.