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Sonel PVM-1020 C-PV Current Clamp



Product Information

Specifications

• Model: CGI POMIAROWE C-PV

• Version: 1.00

• Date: 13.05.2025

Product Usage Instructions

Description

• The CGI POMIAROWE C-PV meter should be connected to the MPI-540-PV meter via the WAADACPV adapter.

Safety

• Ensure that the current indication is closest to zero.

Operation

• Maintain the slot (created from the core front surfaces) in perfect cleanliness.

Cleaning and Maintenance

• Caution: Only use the maintenance methods provided by the manufacturer in this manual.

- Remove dust from the slot using a soft, dry cloth. Periodically wipe the available iron core slot with an oil-soaked cloth to prevent corrosion.
- Dispose of used electrical and electronic equipment selectively, without mixing with other types of waste.

Reference Conditions

• Ensure alignment with the jaws and maintain a constant magnetic field.

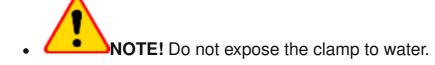
Additional Information

• (Additional information from the manual can be added here as needed.)

Description

- The C-PV clamp is used for ISC DC measurements and DC measurements of the modules at the input of the inverter.
- For the MPI-540-PV meter, connect the clamp via the WAADACPV adapter.

Safety



Operation

• To measure the current, open the clamp slightly by turning the clasp, clamp it on the conductor with flowing current and roughly centre the conductor relative to the clamp loop.

Correcting zero indication for DC measurements

- Connect the clamps to the meter, and turn on the clamps.
- Use the DC ZERO knob to reset the clamps to the current indication closest to zero.
- The gap (formed by the faces of the core) should be kept perfectly clean.

Cleaning and maintenance

- NOTE! Apply only maintenance methods specified by the manufacturer in this manual.
- Before cleaning, disconnect the clamp from the tested circuit and the meter. Do not spray the clamps with water.
- Remove the dust from the gap with a soft and dry cloth. Periodically wipe the accessible iron part of the jaws with an oil-soaked cloth to prevent possible corrosion.
- The clamp may be cleaned with a soft, damp cloth using all-purpose detergents. Do not use any solvents.

Dismantling and utilisation

- Worn-out electric and electronic equipment should be gathered selectively, i.e. it must not be placed with waste of another kind.
- Worn-out electric equipment should be sent to a collection point under the law on waste electrical and electronic equipment.
- Before the equipment is sent to a collection point, do not dismantle any elements.
- Observe the local regulations concerning dis-posal of packages.

Reference conditions

• a) temperature	23 ± 5°C
• b) relative humidity	70%
• c) power supply	3 V
• d) conductor position cent	red in the jaws
• e) permanent magnetic field <40 A/m (Earth's magnetic field)	
• f) variable, external magnetic field	none
• g) external electric field	none

Technical data

Basic technical data

• a) accuracy

- When using the clamp with a SONEL meter, the total measurement accuracy of the measuring system of the meter and clamp is specified in the manual of a given meter.
- The accuracy of the clamp given in this manual is not the sum of the accuracy of the meter and the accuracy of the clamp.

Other technical data

• a) insulation type acc. to IEC 61010-1 doub	le
• b) measurement category acc. to IEC 61010-1	
IV 30	00 V, III 600
V max. 1000 V DC only for isolated conductors	}
• c) pollution degree	2
• d) ingress protection acc. to IEC 60529 IP	40
• e) power supply2x AAA 1.5 V battery	
• f) dimensions	mm
• g) weight	205 g
• h) jaws opening distance	2 mm
• i) height of open jaws	4 mm
• j) maximum diameter of tested cableØ30 mm	1
• k) length of clamp cable	0.9 m
• I) operating temperature 0°C+50)°C
• m) storage temperature20+	70°C
• n) operational relative humidity ≤	£70%
• o) storage relative humidity ≤	:80%
• p) altitude a.s.l. ≤2	2000 m
• q) the product meets the EMC requirements according to	

Manufacturer

- The manufacturer also provides guarantees and post-guarantee services.
- SONEL S.A.
- Wokulskiego 11
- 58-100 Świdnica
- Poland
- tel. + +48748841053 (Customer Service)
- e-mail: <u>customerservice@sonel.com</u>
- web page: www.sonel.com

FAQ

- Q: How often should I clean the meter?
 - A: It is recommended to clean the meter periodically or when dust accumulation is visible to ensure accurate readings.
- Q: Can I use a different adapter than WAADACPV?
 - A: No, it is essential to use the WAADACPV adapter for proper connection and functionality.

Documents / Resources



Sonel PVM-1020 C-PV Current Clamp [pdf] User Manual PVM-1020 C-PV Current Clamp, PVM-1020, C-PV Current Clamp, Current Clamp, Clamp

References

- User Manual
 - C-PV Current Clamp, Clamp, Current Clamp, PVM-1020, PVM-1020 C-PV Current Clamp,
- Sonel Sonel

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