



MYPV AC ELWA 2 Digital Meter P1 Interface User Guide

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Digital Meter P1 Interface for AC•THOR / AC•THOR 9s / AC ELWA 2 Quick Start Guide



NOTE: The Digital Meter P1 Interface can be used with AC•THOR from firmware version a0020300 or higher! To install this firmware on already delivered devices, please send us the 16-digit serial number to support@my-pv.com.

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Intended Use

The Digital Meter P1 interface is exclusively designed for operation with AC•THOR, AC•THOR 9s or AC ELWA 2. It connects the displayed utility meter with the Modbus RTU gateway of the my-PV device. Thus the excess power info in a photovoltaic system can be received and used without any additional meter.

The Digital Meter P1 interface will be damaged by any wrong usage.

Before commissioning, it is essential that you read the assembly instructions that accompany the my-PV device, as well as the operation manual available online.

Find the operation manual here.

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|---|---|
|  AC•THOR / AC•THOR 9s |  AC ELWA 2 |
| https://www.my-pv.com/en/info/downloads?alias=AC%E2%80%A2THOR%20Operation%20manual | https://www.my-pv.com/de/manuals/ac-elwa-2 |

Scope of delivery

- Digital Meter P1 Interface
- 120 Ohm resistor



Safety indication

Always comply with local regulations for mounting and connection.

Any damage caused by ignoring the installation and user manual is not covered by the manufacturer's warranty.

Exemption of Warranty and Liability

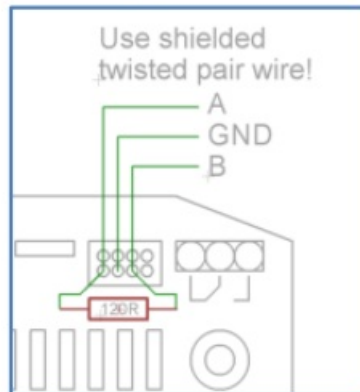
Any warranty and Liability is excluded for:

- Injury to person and/or damage to property caused by unintended use or in disregard of safety- and user instructions
- Consequential damages
- Unauthorized modification, disassembling or other conversion of the device.

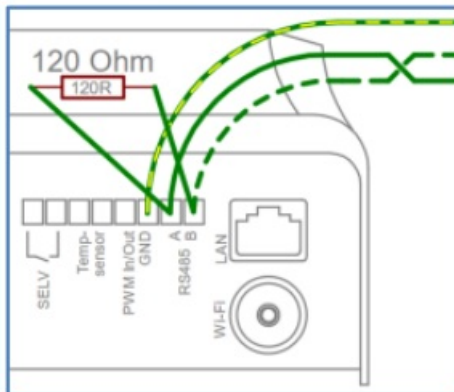
Assembly

Plug the RJ12 socket of the interface into the right port of the displayed utility meter (P1).

Install a cable with 3 wires (shielded) from the terminal block on the interface to the Modbus RTU gateway on the my-PV device. Maximum cable length is 1,000 m. Install the 120 Ohm resistor between A and B at the myPV side of the cable.



AC•THOR / AC•THOR 9s



AC ELWA 2



Use shielded twisted pair wire for communication!

Setting for Communication



Check if the data output of the meter data needs to be activated by your grid operator! At step 3 of the commissioning you have to choose a signal source. Select "Digital Meter P1" at this step. The signal source can also be adjusted anytime later on the display under "Settings" or on the Web-Interface if the my-PV device has an Ethernet connection with a router.



Troubleshooting

The device does not contain any user serviceable parts.
Call your installer for service.

Disposal of waste



Keep the packaging material or dispose it properly.
Dispose the product at the end of its service life in accordance with the applicable regulatory requirement.

EU Declaration of Conformity

You can find them at any time on www.my-pv.com
Digital Meter P1 Interface Quick Start Guide, 230628

Documents / Resources

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| | <p>MYPV AC ELWA 2 Digital Meter P1 Interface [pdf] User Guide AC ELWA 2 Digital Meter P1 Interface, AC ELWA 2, Digital Meter P1 Interface, Meter P1 Interface, P1 Interface, Interface</p> |
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References

- [MYPV my-PV](#)
- [MYPV my-PV](#)