

Manual for SM-USB (Level-Converter-Module)

1. SM-USB (with all accessories)



2. Optional available accessories



Wall power supply SYS 1308 12V/2A; Art.Nr.: 905059



PICO IMP-Bus adapter; Art.No.: 300094



PICO RS485 adapter; Art.No.: 300093

3. Wiring with end splices via IMP-Bus



4. Wiring with end splices via RS485



5. Wiring with 4-pin connector via IMP-Bus (adapter required)



6. Wiring with 7-pin connector via RS485 (adapter required)



7. Wiring with external power supply (with banana plugs)



8. Wiring with external power supply (with wall power supply)



9. How to start-up with SM-USB-Module?

- Install USB-Driver (from USB-Stick)
- Connect the SM-USB to the PC and the installation will be accomplished automatically
- Install TrimeTool software (from USB-Stick)
- Check the setting of the COM-Port in the device manager and setup the specific COM-Port in the TrimeTool software (COM1-COM9 possible)
- Connect your sensor to the SM-USB either via RS485 or via IMP-Bus
- Run TrimeTool software and Scan bus
- The sensor has to be shown in the module list

10. Technical Data:

Power supply:	5V/DC (from USB)
Power consumption (IDLE):	Approx. 50mA @ 5D/DC
Current max. (protected):	500mA
External power (to sensor):	7..24V/DC
Interfaces:	USB 1.1 (2.0 compatible)
	RS485 (to sensor)
	IMP-Bus (to sensor)
Accessories:	USB-Cable (1,8m)
	Power supply cable with banana plugs (1,8m)
	2x screw terminal plug
	USB-Stick with driver and software
Optional available accessories:	Wall power plug 12VDC/2A
	Adapter screw terminal → 7-pin male connector (RS485)
	Adapter screw terminal → 4-pin male connector (IMP-Bus)
Dimensions (WxDxH)	98x64x37mm
Further specifications:	Power supply out of USB only for single sensor!
	For multiple sensors use external power supply!
	For SONO-Series always external power required!

11. Contact Information

Should you have any queries please don't hesitate to contact your local distributor or address directly to IMKO:

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