

RS-485 to USB, 15 pin HD D-sub, Power supply (90-230VAC)

This cable is power supply (90-230VAC). Many industrial analog process transmitters with industry standard 4 pin M12 and 4 pin DIN 175301-803A connectors offer little or no individual configuration options. They also typically require time-consuming disassembly of the product to get access to user-configurable parameters or calibration adjustments.

S4-Connect™ is a flexible and cost-effective communication protocol invented for programming and configuring digital transmitters and transducers for temperature, pressure and vacuum measurement. The communication interface allows digital communication with analog transmitters that do not have available pin-out configuration for standardized digital communication like RS-232, RS-485 or IO-Link.

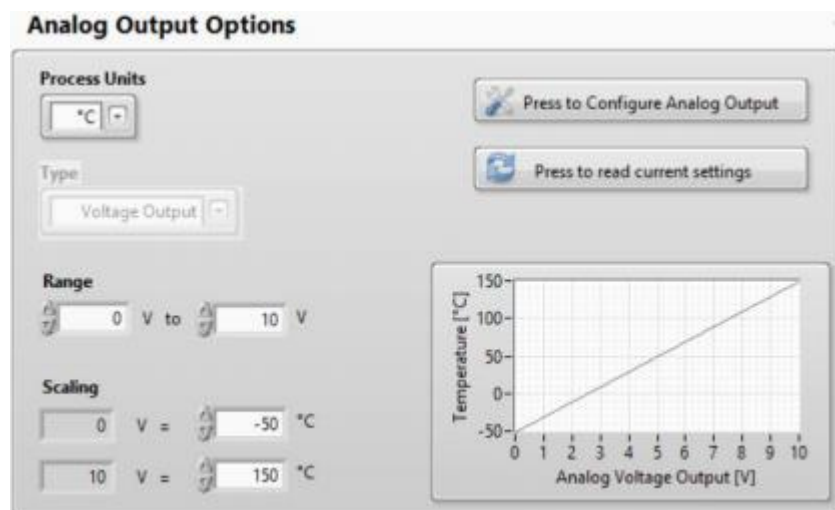
Digital communication over 4-20 mA current loops is also possible using HART interfaces; however, the overall cost for HART transmitters and HART modems is relatively high.

Configuration of analog voltage or current output

The S4-Connect™ programming and communication unit provides access from PC software via a USB interface to the digital core of the transmitter. It is compatible with both 4-20 mA current output and 0-10 VDC voltage output transmitters from Sens4.

Easy to use software

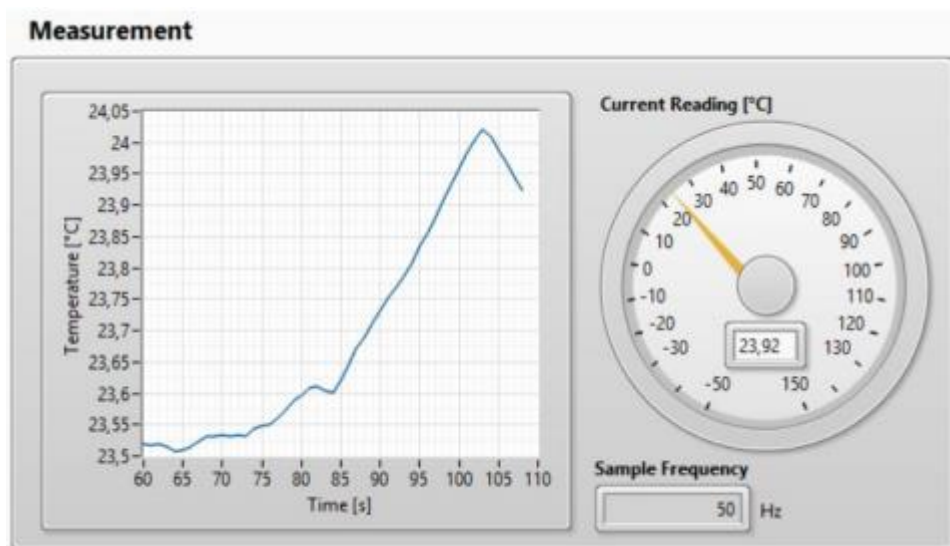
Through the intuitive S4-Connect™ software the user gets easy access to programming the setpoint relay configuration, unit settings, zero/full-scale adjustment and scaling of the analog voltage or current output. The two-way communication offers additional diagnostics, such as time on, minimum/maximum measured value, serial number, part number and the internal temperature of the transmitter.



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Real time measurement

Real-time readout of the transmitter measurement value can also be obtained with the S4-Connect™ programming and communication unit, enabling data logging and process system test and configuration. The software offers graphical representation of the measurement data and supports exporting of the data for further analysis in other programs such as Microsoft Excel.



USB interface with status LED

The S4-Connect™ USB adapter's LED provides status for digital communication between the transmitter and the USB communication unit.

Access to digital transmitter core

The S4-Connect™ programming and communication unit opens a digital world for traditional analog process transmitters that enables easy and cost-optimized access to perform calibration, adjustments and individual configuration of the transmitter product to customer applications and requirements.

Technical Data

Specifications

Compatibility	PCM-1 and TDM-1 transmitters
USB interface	USB 2.0 type A

Environment conditions

Operating ambient temperature	-20 to +50 °C
Storage ambient temperature	-40 to +100 °C
Protection rating, EN 60529/A2:2013	IP40
Humidity, IEC 68-2-38	98%, non-condensing

Power supply

Supply voltage (USB powered)	+5 VDC
Power consumption (current version)	750 mW (max)

Materials

Enclosure	
Electrical connector DIN 175301-803A	PA Nylon
Electrical connector M12 IEC 61076-2-101	PA Nylon, Nickel plated Zinc alloy

Approvals

CE	EN61000-6-2, EN 61000-6-3
RoHS compliance	Directive EU 2015/863