



S4-Connect™

USB Programming unit for pressure and temperature transmitters

Advantages & features

- Configuration of pressure and temperature transmitters
- Configure analog output scaling
- Perform user adjustment and calibration
- Compatible with 4-20 mA transmitters
- Compatible with 0-10 VDC transmitters
- Powered by USB port – no external power supply necessary.
- Reduce inventory by flexible and individual configuration of transmitter
- Easy to use and intuitive software



RoHS



S4-Connect



USB

Many industrial analog process transmitters with industry standard 4 pin M12 and 4 pin DIN 175301-803A connectors offers little individual configuration or time-consuming disassembly of the product to get access to user configurable parameters or calibration adjustments.

The S4-Connect™ is a flexible and cost-effective communication standard invented by Sens4 for programming and configuration of digital transmitters and transducers for temperature, pressure and vacuum measurement.

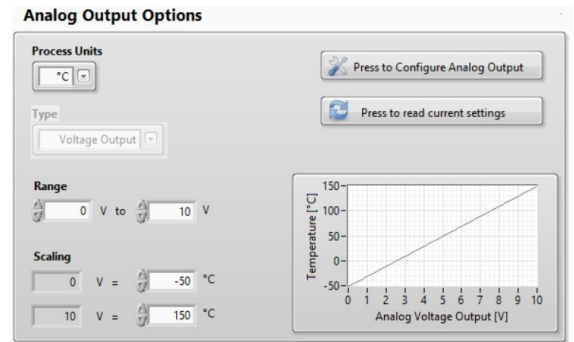
The communication interface allows digital communication with analog transmitters that do not have available pin-out configuration for standardized digital communication like RS232, RS485 or IO-Link.

HART interface is typical used for digital communication over 4-20 mA current loop transmitters; however, the overall cost for HART transmitters and HART modems are relative high making it less practical for configuration of the product.

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

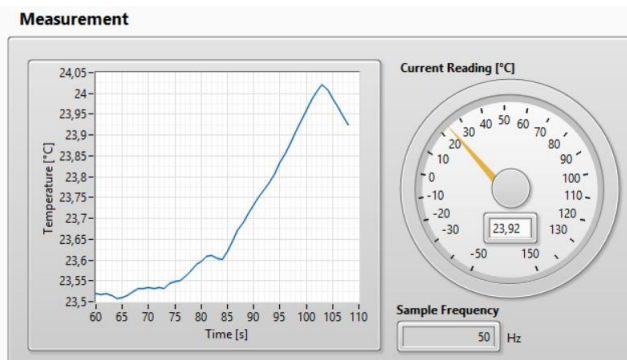
Easy to use software

Through the intuitive S4-Connect™ software the user gets easy access to programming of the setpoint relay configuration, unit settings, adjustment of zero, adjustment of full scale and scaling of analog voltage or current output.



Get access to transmitter data

Two-way communication enables additional diagnostic and informational data that can be read through the interface. Transmitter diagnostic data includes time on, maximum measured value, minimum measured value, serial number, part-number and the internal temperature of the transmitter electronics.



Display of measurement data

Real-time readout of transmitter measurement value can also be obtained with the S4-Connect™ programming and communication unit and the unit can be used for datalogging and process system test and configuration.

The software offers graphical representation of the measurement data and data can be stored and exported to a PC for further analysis in Excel.

Status LED

The LED provides provide status for digital communication between the transmitter and the USB communication unit.

Integrated power supply

No additional power supply is required when using the S4-Connect™ programming and communication unit. The connected transmitter is powered directly from the computer USB port.

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

Order Guide and Part Number

Connectors	Part number
S4-Connect programmer, 1.5 m cable, M12 connector	PRG-S4-M12
S4-Connect programmer, 1.5 m cable, DIN angle connector	PRG-S4-DIN

About

Sens4 develops, manufactures, markets and distributes temperature and pressure measuring equipment for industrial applications worldwide. Our products are designed, engineered and manufactured in Denmark to the highest quality standards.

Our mission is to continuously endeavor to provide customer centric state of the art measurement solutions.

Our passion | Your value™

