Modbus configuration and monitoring tool

SENSISTANT

1.0

Software user guide

SPS-X-2K0

1	Device Slave Address	1
2	Modbus Baud Rate	19200
3	Modbus Parity	even
4	Device Type	1015
5	Hardware Version	HW v. 1.0
6	Firmware Version	FW v. 5.2
11	Operating mode	Standalone
12	Differential Pressure Range	0–100Pa
13	Response Time	1s
14	Max Pressure Limit	100Pa

BACK

SELECT

SENTERA
CONTROLS

Table of contents

General

About **SENSISTANT**

SENSISTANT is an easy to handle 4,3 inch intuitive graphical user interface with a TFT touch screen intended for assistance in setting-up Sentera sensors and controllers. It communicates over Modbus RTU with PoM (Power over Modbus) and automatically recognizes the connected sensor / controller.

To connect the sensor / controller, follow the application examples in the datasheet and the wiring diagram below.

Pin 1	24 VDC	Supply voltage
Pin 2	24 VDC	Supply voltage
Pin 3	A	Modbus RTU communication, signal A
Pin 4	A	Modbus RTU communication, signal A
Pin 5	/B	Modbus RTU communication, signal /B
Pin 6	/B	Modbus RTU communication, signal /B
Pin 7	GND	Supply voltage
Pin 8	GND	Supply voltage
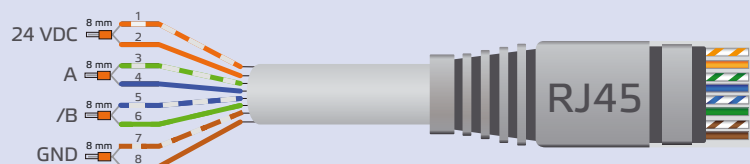
Instructions

Start screen

When connected to the power supply, SENSISTANT loads the start screen. Press the "SCAN" button to automatically search for connected devices.



Scanning

While scanning, the screen displays:
- The scanning progress;
- The number of the currently scanned Modbus address - from 1 to 247;
- The current baud rate;
- The current parity mode.

Tap the "CANCEL" button in the bottom right-hand corner if you want to cancel the process.

Once SENSISTANT has recognized the connected sensor / controller, the name of the detected device and the Modbus input and holding registers are displayed. The holding registers can be modified while the input registers are read-only.
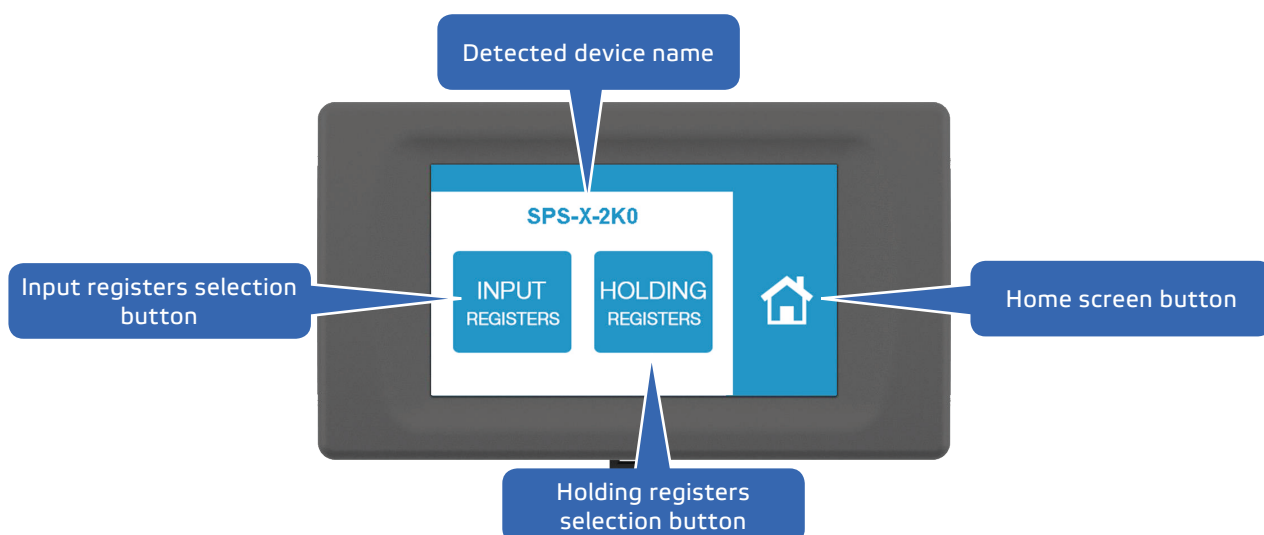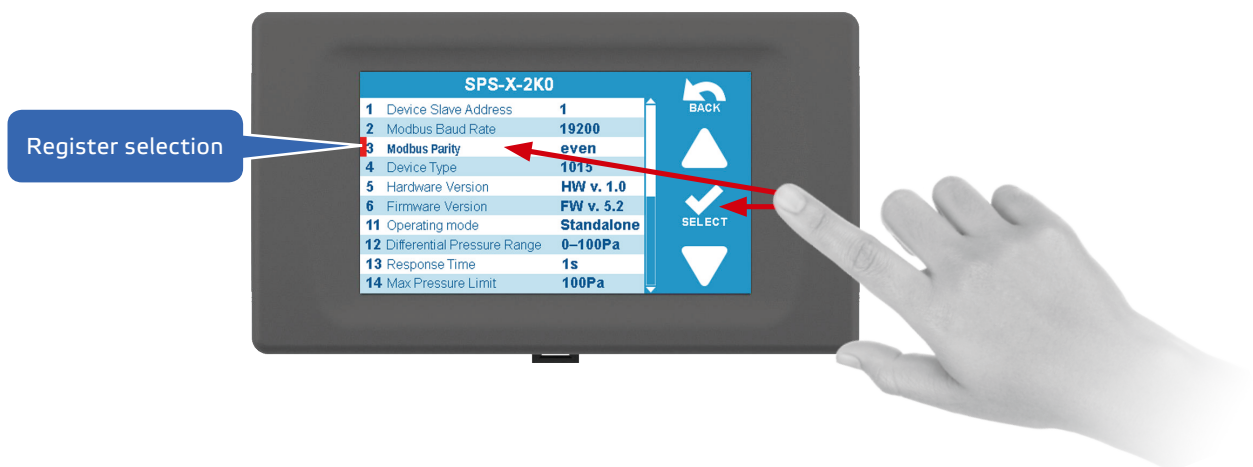
Holding registers

When you tap the "HOLDING registers" button, SENSISTANT loads the relevant registers.

The **number in bold** displayed on the left is the holding register number, the name of the register is in the middle and the **word or number in bold** on the right indicate the current value of the register. For more information on the description, values, and types of registers, refer to the Modbus Registers Map section in the mounting instructions of the connected device.
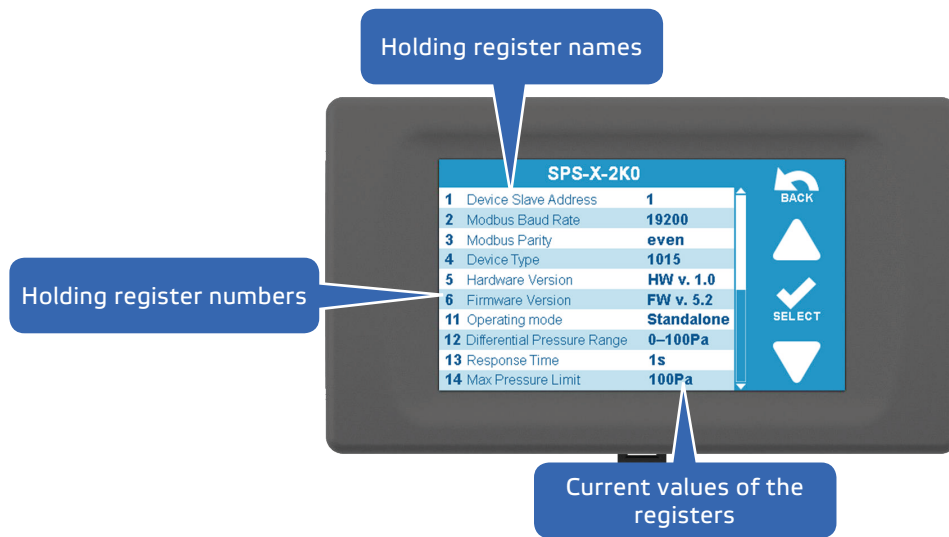
To navigate through the holding registers, use the up and down buttons on the right, the scrollbar, or swipe your finger across the registers. To select a register, either use the "SELECT" button or tap on the register itself. The selected register is then marked in **bold** and a **red marker** appears on the left. To edit a register value, either tap on the value itself, or use the "SELECT" button after the relevant register has been marked.

Edit holding registers

To enter the menu containing the values of a holding register, tap the "SELECT" button or the value itself. After you have accessed the relevant register value, use the up and down buttons to change to the desired values. To confirm your choice, tap the "SELECT" button, to exit without applying the changes, use the "BACK" button.

Input registers

When you tap the "INPUT registers" button, SENSISTANT loads them. Unlike the Modbus holding registers, the input registers are read-only and cannot be modified, therefore SENSISTANT can only visualize the measured values and the sensor / controller settings.

To navigate through the input registers, use the up and down buttons on the right, the scrollbar, or swipe your finger across the registers. To return to the previous menu, use the "BACK" button.