

Product instructions for Neomeris Cal-Box Modbus

INTRODUCTION

The Cal-Box Modbus is a useful tool to configure and calibrate your Neomeris Smart Sensor (Modbus 485 output). It connects to your computer via a USB port and along with Neomeris software allows you to configure, calibrate and monitor sensor outputs.

RECOMMEND EQUIPMENT

For ease of configuration the use of the Cal-Box Modbus Device is recommended. This device connects to your computer via a USB port. The 5V power from the USB port is amplified and will power your sensor so that it can communicate with your computer via the Smart Sensor User Interface software. See Fig 1 below.

ELECTRODE CARE AND USE EQUIPMENT

Your sensor will be sent with a separate care and use guide in addition to this quick start guide. Please refer to the care and use guide for information about sensor cleaning, storage, calibration, etc.

SENSOR WIRING

Wire Color	Function
Red	+ V
Black	- V(gnd)
White	Modbus A (+)
Green	Modbus B (-)

Connect the Neomeris Select Modbus Sensor wires to your Cal-Box as shown in FIG 1. See FIG 2 when using the modular sensor system with exchangeable cable.

COMMUNICATING WITH, CONFIGURING AND CALIBRATING YOUR SMART SENSOR

You can communicate with your smart sensor in 2 ways:

- 1) Neomeris Smart Sensor User Interface
- 2) Direct programming via PLC or SCADA, etc.

Neomeris Select Sensor Modbus registers:

[www.heyneomeris.shop/Downloads/Operating instructions Technical products/Neomeris Select](http://www.heyneomeris.shop/Downloads/Operating%20instructions%20Technical%20products/Neomeris%20Select)

Neomeris Select Sensor Smart Sensor User Interface:

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