![Loadstar SENSORS - Sensing Made Easy]

VX-100 0-5V Sensor Adapter

VX-100

Overview

The VX-100 is an adapter one can add on to the DI-1000 family of USB sensor interfaces to plug in a sensor with a 0-5 VDC output. It can be used with the USB or wireless versions of DI-1000. The normal DI-1000 family of USB Load Cell Interfaces are used with Load Cells that are typically mV/V devices which are powered with a 5V power supply and hence have an output range between 0-10 mV or at most 0-20 mV. This board has four pins V+ for the power supply to the sensor, S+ for the output signal from the sensor, G for Ground and SH for the shield. The V+ and Ground are power input to the sensor. The S+ and G is the output signal from the sensor. If the sensor has a shield connection then connect it to the available pin labeled SH, if not, no worries leave it blank.

If you would like access to the Serial TTL pins coming from or to the USBA adapter, you can take a look at our HX-100 breakout board instead with a DI-100U interface.

Highlights

* Enables use of 0–5 V sensors with DI-1000 USB and wireless interfaces

* Integrated precision resistive divider scales the signal to the required 0–10 mV range

* Compact, plug-in design for easy integration

* Provides 4-pin terminal block for straightforward sensor connection

* Includes V+ power output for sensor excitation

* Fully compatible with DI-1000U-5V, DI-1000UHS-5V, DI-1000BLE-5V, DI-1000WiFi-5V, and other 5 V variants

* Designed and tested exclusively for Loadstar Sensors products

Wiring Information

Cable Color Code	
V+	Power Supply to Sensor
S+	Signal output from sensor (input to VX-100)
G-	Ground
SH	Shield (optional – connect if available)

Ordering Information

Part No.	Description	Compatability
VX-100	Adapter to connect sensors with 0-5VDC outputs	DI-1000U-5V DI-1000UHS-5V DI-1000UHS-1K-5V DI-1000ZP-5V DI-1000BLE-5V DI-1000WiFi-5V

For users needing Serial TTL access, refer to the HX-100 Breakout Board, with the DI-100U interface.

VX-100 is included with our DI-1000 5V series, i.e. DI-1000U-5V, DI-1000UHS-5V, DI-1000UHS-1K-5V, DI-1000ZP-5V, DI-1000BLE-5V, and DI-1000WiFi-5V.

PLEASE NOTE this is a proprietary adapter designed for use with Loadstar Sensors products only. Do not substitute with other adapters since this might damage your sensors.

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