

POWERPack Adapters for Pyxis Sensors

The Pyxis PowerPack series auxiliary boxes are uniquely designed to provide additional power budget and wireless communication to drive Pyxis inline sensors to a receiving controller or PLC with limited power supply. Offered in both a single-channel and four-channel format, this auxiliary box has a built-in power supply with 20-Watt capability. Each PowerPack is also integrated with built-in Bluetooth interface, allowing users to wirelessly pair to all sensors connected with the uPyxis APP for Mobile Phone and Desktop for real-time diagnosis, calibration and configuration.



PowerPack auxiliary boxes can be utilized in 100VAC to 240VAC power format, with direct plug in design. PowerPack 1 offers a single channel input and output quick adapter cable, containing 4-20mA interface, while PowerPack 4 extends this capability to four individual input and output connection cables. Each input is specifically designed for direct connection to standard Pyxis inline sensors and output is designed to be connected to the Pyxis standard flying lead cable provided with the sensor, then terminated to the receiving controller. The sensor input glands (bottom of box) and 4-20mA signal output glands (right side of box) are mapped one-to-one by the color labeled cables.

A typical setup procedure involves the user connecting one ST-500 sensor, one ST-720 sensor and one ST-712 sensor to the sensor input glands 1, 2 and 3 (bottom) and then connects the output cable from 4-20mA signal glands 1,2 and 3 (right) to controller 4-20mA input channels. The last step is to connect the power plug to the power outlet. PowerPack comes with standard 110V USA plug adapter, however, unit is fully functional with 240VAC operation using a standard outlet conversion adapter.

Typical Applications

The Pyxis PowerPack auxiliary power/Bluetooth series adapters are ideal for use in process or water treatment applications with using Pyxis inline sensors and microprocessor controllers which may be limited to <1.5watt power supply per Analog input channel. With ease of installation in mind, PowerPack was designed to be rapidly deployed for single or multiple Pyxis sensor applications requiring extra power and Bluetooth interface for uPyxis APP use.

Features

- Individual or up to four Pyxis inline sensors can be connected
- Up to 4x 4-20mA output signals can be output simultaneously to any controller
- Bluetooth® Version 4.1 for wireless sensor diagnosis, cleaning and configuration via uPyxis APP
- Wide range external power input (100-240VAC)
- ABS enclosure with IP54 protection

Specifications

Items	Specification
Power Input	100-240VAC w/1.0 AMP Fuse
Power Output	24VDC, 20W
Signal Input	1x / 4x 4-20mA
Signal Output	1x / 4x 4-20mA
Enclosure Material	ABS
Enclosure Rating	IP65
Storage Temperature	32 - 140 °F (0 - 60° C)
Operational Temperature	32 - 140 °F (0 - 60° C)
Dimension	6.89inch(L) x 6.89inch(W) x 3.15inch(H)
Weight	1320 g (2.9 lbs.)
Certificates	CE, RoHS

*With Pyxis' continuous improvement policy, this specification is subject to change without notice.



PowerPack 1

1x 4-20mA w/Bluetooth
100-240VAC



PowerPack 4

4x 4-20mA w/Bluetooth
100-240VAC

Order Information

PowerPack 1

P/N: MA-BLE-1

PowerPack 4

P/N: MA-BLE-4

Accessories

MA-1100 (4.9' Pyxis Sensor Cable w/Flying Lead)

P/N: MA-1100