

PowerPACK Series

Bluetooth[®] Auxiliary Adapters for Pyxis Lab[®] Sensors

Product Description

The Pyxis Lab[®] Series Bluetooth[®] Auxiliary Adapters are uniquely designed to provide additional power budget and wireless communication to drive Pyxis Lab[®] inline sensors to a receiving microprocessor controller or PLC with limited power supply. Offered in a single-channel, dual-channel & four-channel formats, this auxiliary adapter series has built-in power supply with 20W capability. Each PowerPACK is also integrated with a built-in Bluetooth[®] interface, allowing users to wirelessly pair to all sensors connected with the uPyxis[®] app for real-time diagnosis, calibration & configuration.

PowerPACK auxiliary adapters can be utilized in 100VAC to 240VAC power format, with direct plug-in design. PowerPACK1 offers a single channel input & output quick adapter cable, containing 4-20mA interface, while PowerPACK2 & PowerPACK4 extends this capability to two and four individual input & output connection adapters. Additionally, PowerPACK2 offers RS-485 signal passthrough as well. Each input is specifically designed for direct connection to standard (7-Pin) Pyxis Lab[®] inline sensors & output is designed for direct connection to the Pyxis Lab[®] standard flying lead cable provided with the PowerPACK unit, then terminated to the receiving controller. The sensor input glands (bottom of box) and 4-20mA/RS-485 signal output glands (right side of box) are mapped one-to-one by the numbered labels. Conversion adapters for 5-Pin & 8-Pin sensors are also available allowing PowerPACK to be used with all Pyxis Lab[®] sensor formats.

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 functional with 240VAC operation using a standard outlet conversion adapter or allows direct wiring internally.



Contact us for More Information at info@pyxis-lab.com

Typical Applications

The PowerPACK Series Bluetooth® Adapters are ideal for use in process or water treatment applications using Pyxis Lab® inline sensors & microprocessor controllers which may be limited to <1.5W power supply per analog input channel. With ease of installation in mind, PowerPACK was designed to be rapidly deployed for single or multiple Pyxis Lab® sensor applications requiring extra power & Bluetooth® interface for uPyxis® app use.

Features

- Individual or up to Four Pyxis Lab® Inline Sensors can be connected
- Up to (4) 4-20mA Output Signals can be Output Simultaneously to any Controller
- RS-485 also provided in PowerPACK2
- Bluetooth® Version 5.0 for Wireless Sensor Diagnosis, Cleaning & Configuration via uPyxis®
- Wide Range External Power Input (100-240VAC)
- ABS Enclosure with IP54 Protection

Specifications

Item	PowerPACK 1	PowerPACK 2	PowerPACK 4
Part Number	MA-BLE-1	MA-BLE-2	MA-BLE-4
Power Input	100-240VAC w/ 1.0 AMP Fuse		
Power Output	24VDC, 20W		
Signal Input Adapter	4-20mA (7-Pin)	(2)4-20mA (7-Pin)	(4) 4-20mA (7-Pin)
Signal Output Cable	4-20mA	(2) 4-20mA & RS-485	(4) 4-20mA & RS-485
Enclosure Material	ABS		
Enclosure Rating	IP54		
Storage Temperature	32-122 °F (0-50 °C)		
Operation Temperature	32-122 °F (0-50 °C)		
Dimensions	5.1"Hx3.1"Wx2.75"D	4.9"Hx4.9"Wx2.95"D	6.9"Hx6.9"Wx2.95"D
Weight	600g (1.32lbs)	654g (1.4lbs)	1320g (2.9lbs)
Certificates	CE / RoHS		

Optional Accessories

CC-78 (7-Pin Male to 8-Pin Male Adapter)

CC-57 (7-Pin Male to 5-Pin Male Adapter)

Part Number

50771

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