

BTA-400 Bluetooth to 4-20mA Transmitter

The BTA-400 is a remote Bluetooth receiver designed for use with the Pyxis LS-202 Bluetooth Level Sensor and CR-200 LPR Bluetooth Corrosion Sensor or up to 4 Pyxis inline sensors via the Bluetooth Adapter (MA-WB). This device is a four channel Bluetooth receiver, with local display of its connected devices and conversion to four 4-20mA/RS485 outputs connectable to any controller, PLC or network system. The BTA-400 can be easily configured to connect to its host devices in “Observer or Central Mode” and will receive signal within 30-50ft line of site. Once connected, the BTA-400 will provide a live display of the data from its host devices and convert that data to an analog or digital signal output via wire for use with an alternate device. This feature is designed to allow for rapid installation of Pyxis devices without the need for wiring or conduit, enabling true wireless data transfer to a base controller or network. The BTA-400 is powered by 24V/1W via a 7-wire flying lead/adaptor cable provided with the device.



Typical Applications

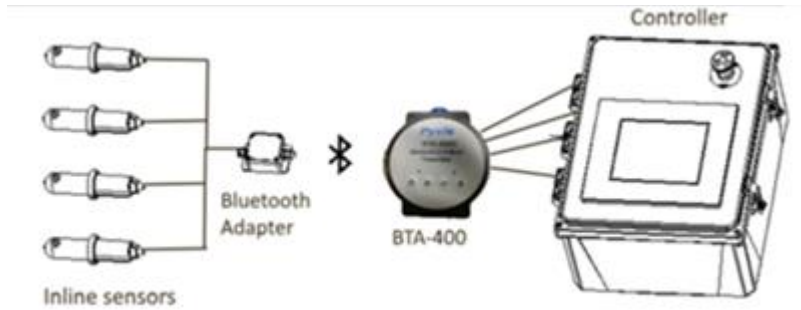
The BTA-400 is commonly used for wireless connection to up to four (4) LS-202 Bluetooth enabled ultrasonic tank level sensors or up to two (2) CR-200 Bluetooth enabled LPR corrosion rate sensors. The BTA-400 may also be connected to a Pyxis Bluetooth Adapter (MA-WB) and four (4) inline Pyxis probes in RS-485 bus format. This device offers a rapid and low-cost method of transmitting data without the need for wiring or conduit run. Common installation formats are provided in this document.



Specifications

Item	Parameter
Power	24V, 1W
Bluetooth Distance	32-50 ft. (10-16 meters), line of sight
Operation Temperature	14 - 122 °F (-10 - 50 °C)
Storage Temperature	-4 - 158 °F (-20 - 70 °C)
Display	240 x 160 DPI, OLED display
Output	4 X 4-20 mA
Dimension	3.15 inch (80 mm) diameter, 2 inch (51 mm) height
Weight	0.5 pounds (230 grams)
Cable Length	5 feet, terminated with IP67 connectors

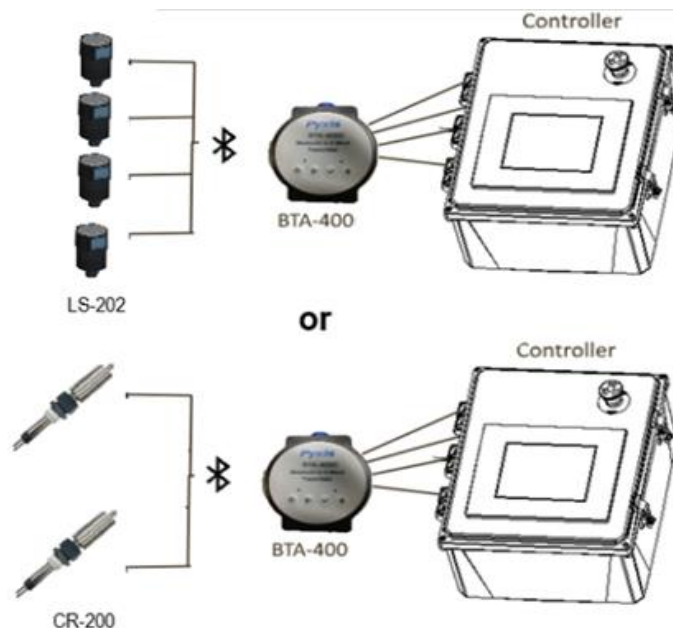
Central Mode Installation w/MA-WB Adapter & Pyxis Inline Probes



Compatible Pyxis Inline Probes (Digital Series)

Pyxis Digital RS-485 Inline Sensors		
Model #	P/N	Description
ST-500D	50668	Inline Fluorometer for Cooling - PTSA (0-200ppb)- RS485 Modbus / Bluetooth
ST500ROD	50674	Inline Fluorometer for RO - PTSA (0-40ppb)- RS485 Modbus / Bluetooth
ST-525D	50672	Inline Fluorometer - Flourescein (0-60ppb)- RS485 Modbus / Bluetooth
ST-525SSD	50673	Inline Fluorometer - Flourescein Stainless Steel (0-60ppb)- RS485 Modbus / Bluetooth
ST-540SSD	50675	Inline Fluorometer - NDSA Stainless Steel (0-60ppb)- RS485 Modbus / Bluetooth
ST-565T-D	50676	Inline Fluorometer - Azole TTA (0-10ppm)- RS485 Modbus / Bluetooth
ST-710D	53007	Inline pH Analyzer (0-14)- RS485 Modbus / Bluetooth
ST-711D	53008	Inline ORP Anlyzer (± 1500 mV)- RS485 Modbus / Bluetooth
ST-712D	53009	Inline pH+ORP Analyzer- RS485 Modbus / Bluetooth
ST-720D	53102	Inline Conductivity Analyzer (10-10,000uS.cm)- RS485 Modbus / Bluetooth
ST-731D	50207	Inline Turbidimeter (0-10NTU)- RS485 Modbus / Bluetooth
ST-735D	50206	Inline Turbidimeter (0-4000NTU)- RS485 Modbus / Bluetooth
CR-300	51007	LPR Corrosion Sensor - Wired - 24V/2W Powered (RS485/4-20mA - 8Pin)

Observer Mode Installation w/LS-202 or CR-200



Ordering Information

BTA-400

P/N: 50751

BTA-100/400 Wall Bracket

P/N: 50753

Accessories

MA-WB Bluetooth Adapter

P/N: MA-WB

CC-57F (5Pin Female to 7Pin Male Adapter for MA-WB)

P/N: 50748

CC-57M (5Pin Male to 7Pin Female Adapter for MA-WB)

P/N: 50749