



LG-100 LoRa™ to RS-485/4-20mA Receiver & Converter

Product Description

The Pyxis LG-100 is a LoRa enabled receiver device designed to capture data via LoRa (Long-Range Radio) communications and convert the received data into Modbus RS-485 and 4-20mA outputs for connection to multiple device formats. The LG-100 LoRa receiver has a 1.3-inch OLED display and 4 buttons for easy wireless configuration with the uPyxis[®] 2.0 app for Mobile and Desktop devices enabling rapid deployment in the field.

The LG-100 LoRa receiver is powered by a 24 VDC/1.0W external power supply and is ideal for use with commonly used OEM controllers, PLC or DCS systems. LG-100 LoRa receiver is designed to offer a wireless data communication solution for critical industrial applications with great flexibilities yet affordable cost. This device allows direct radio connection to any Pyxis LoRa integrated sensor as well as to the Pyxis LG-50 LoRa converter, enabling wireless radio use with any standard non-LoRa Pyxis sensor.

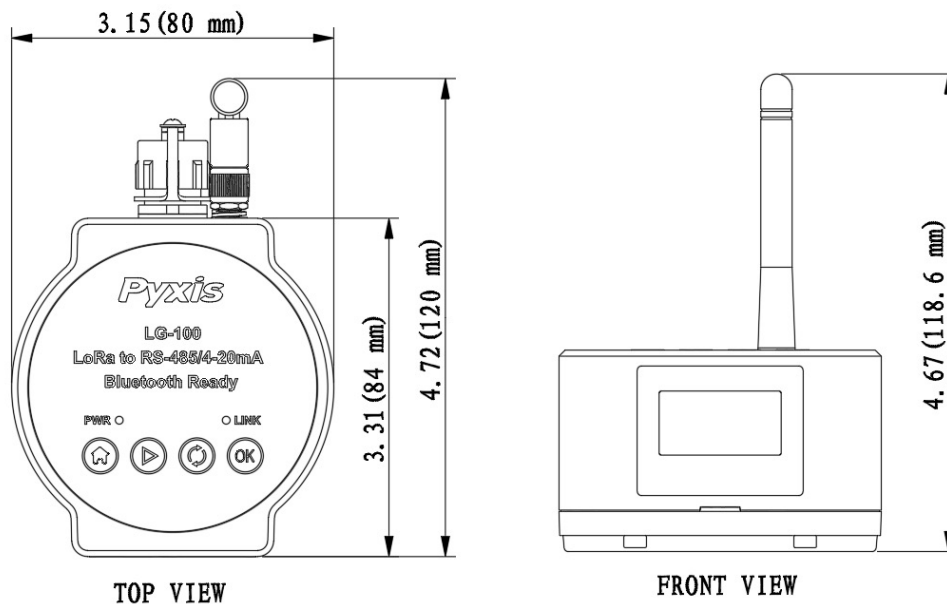
Typical Applications

- *LSR-80X Series Radar Level Sensors with LoRa*
- *LG-50 DTU Converter for ANY Pyxis Lab Sensor Input Connection*

Specifications

Item	LG-100
P/N	28903
Power Supply	24VDC, 1.0W MAX
Bluetooth® Connection	Bluetooth® 5.0 4.1, 32ft (10m) Line of Sight Use with uPyxis®
Radio Range	Up to 1.8km Line of Sight
Radio Input	Long Range Radio (LoRa)
Wired Output	(1) 4-20mA, (Up to 4) RS-485 MODBUS
Output Cable	Waterproof 7-PIN (10ft/3m) Cable with Adapter & Flying Lead
Extension Cable	Waterproof Extension Cables SOLD SEPARATELY
Installation	LG-MB-002 Wall Mounting Bracket
Dimension	4.67in (118.6mm) H, 4.72in (120mm) L, 3.15in (80mm) W
Enclosure Material	Polycarbonate (PC), Polybutylene Terephthalate (PT)
Ambient Temperature	5–122 °F (-15–50 °C)
Storage Temperature	-4–140 °F (-20–60 °C)
Pressure	-29–58psi (-0.2–0.4MPa)
Enclosure Rating	IP66
Display	1.3in OLED Display
Regulation	UL/CE/RoHS/UKCA
Certified FCC ID	2BAJ2-LSR

Dimensions (mm)



Order Information

LG-100 *(Includes MA-L10 10ft Flying Lead with 7-PIN Waterproof Adapter)*

Part Number

28903

Additional Accessories

LG-MB-W002 *Wall Mounting Bracket for LG-Series*

MA-AC-7US *7-PIN 110VAC - 24VDC Outlet Adapter USA Plug*

MA-AC-7EU *7-PIN 230VAC - 24VDC Outlet Adapter EU/Din Plug*

MA-L10 *10ft Replacement Cable with 7-PIN Adapter and Flying Lead*

MA-L25 *25ft Extension Cable with 7-PIN Adapter and Flying Lead*

MA-L50 *50ft Extension Cable with 7-PIN Adapter and Flying Lead*

MA-L100 *100ft Extension Cable with 7-PIN Adapter and Flying Lead*

LG-50 *LoRa DTU Converter for ALL Pyxis Lab Sensors*

LSR-801L *Radar Level Sensor - 24VDC, with LoRa*

LSR-803L *Radar Level Sensor - 24VDC or Battery Power, with LoRa*

Part Number

24817

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28787

MA-L10

MA-L25

MA-L50

MA-L100

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