



PRL-100 PERSONAL RADAR LEVEL

with Near Field & Long Range Radio Communication

Product Description

The PRL-100 is a W-band FMCW radar level transmitter engineered for portable, high-precision liquid level monitoring. It delivers continuous, non-contact measurements up to 15 meters (591 inches), even through plastic container walls, making it ideal for chemical storage and inventory management.

Designed for ease of use in the field, the PRL-100 includes NFC for fast container identification, allowing users to scan tank tags and instantly associate readings with specific containers. It also features LoRa (Long Range Radio) for real-time data transmission over long distances, and Bluetooth® 5.0 for quick configuration via the Pyxis uPyxis® mobile or desktop app.

With an intuitive 2.8" LCD display, three-button interface, and support for automatic usage tracking, the PRL-100 is a powerful tool for monitoring liquid levels across multiple tanks and remote locations. Its rugged, rechargeable design ensures durability and flexibility for industrial, municipal, and process applications involving corrosive or hazardous liquids.

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Features

- Radar Level Measurement up to 15m (Accuracy $\pm 2\text{mm}$)
- NFC Tag Scanner for Container ID
- LoRa for Long Range Wireless Communication
- Bluetooth® 5.0 for Easy Mobile & Desktop Configuration via uPyxis®
- Tracks Usage & Remaining Volume Automatically
- Rugged, IP-66 Rated Housing with 2.8" LCD Display



Item	PRL-100
P/N	60388
Power Supply	3.7V 10200mAh Lithium-Ion Battery / Rechargeable
Bluetooth® Connection	Bluetooth® 5.0 4.1, 32 ft. (10 Meters) Line of Sight for use with uPyxis®
Radio Output	Long Range Radio (LoRa)
Interface	Type-C for Charging & Data Transfer
Range	3.94–591 inches (0.1–15 meters)
Resolution	0.02in (0.5mm)
Accuracy	±2mm
Dead Zone	3.94in (10cm)
Operating Frequencies	Bluetooth® - 2402MHZ-2480MHZ / Radar - 76GHz - 81GHz / LoRa - 803-930MHz
Tag Scan Feature	NFC (Near Field Communication) Scanner
Installation	2in NPT Thread
Weight	1.10lb (500g)
Dimensions	7.09in (180mm) H x 2.64in (67mm) D
Enclosure Material	PBT
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	2.8" LCD Display
Regulation	CE/RoHS/UKCA

Specifications are subject to change without notice.

CONFIGURE ALL YOUR TANKS WITH OUR NFC TAG KIT.

Measure Level for an UNLIMITED amount of Tanks/Containers.



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