- Easy installation
- Non-contact level measurement
- Suitable for cold environments with the self-cleaning option
- Five years replaceable D-cell batteries
- Cutting-edge user-friendly Mobile or Web App

SMARTREK TECHNOLOGIES

LEVEL SENSOR
PRMAP-LVL

Features

- High performance ultrasonic rangefinder
- Self-cleaning cycles
- Optional chemical and corrosion resistant packaging
- Up to 10m level range

Applications

- Tank/bin level measurement and control
- Snow depth
- People/object detection

The **PRMAP-LVL** is a high performance ultrasonic precision rangefinder with a measuring range from 50mm to 10 000mm. The sensor is weather resistant and can measure in cold environments with the self-cleaning option to remove condensation buildup on the sensing head. Additionally, the rangefinders offer up to 1mm resolution, a narrow beam pattern, noise rejection, automatic calibration and temperature compensation. The PRMAP-LVL is operating on primary batteries, lasting for up to 5 years.

Specifications		
Operating temp.	°C	-40 ... +65
Accuracy (typical)		1%
Resolution	mm	1 ... 10
Measuring range	mm	200 ... 10 000
Options		Self-cleaning, chemical resistant, corrosion resistant
Wireless technology		Spidermesh
Battery life		Up to 5 years on 3x D-cell primary batteries

CREATING A SMARTER CONNECTED WORLD

[SMARTREK TECHNOLOGIES

WIRELESS TECHNOLOGY OVERVIEW

THE TECHNOLOGY

Smartrek delivers a powerful, modular, easy to program sensor platform for the Internet of Things, using a true cooperative meshed network technology. which stands out for long range and low energy consumption applications. The technology is perfectly adapted to all sensor deployments, even in typically harsh wireless conditions.

APPLICATIONS

1. Agriculture
2. Meterology and Environmental Quality
3. Home Automation and Security
4. Environment
5. Energy
6. Harsh, Forested and Mountainous Terrain Monitoring
7. Industrial Monitoring and Automation
8. Military

AUTONOMOUS

With Spidermesh technology, each individual (node) in the network communicates with all of its neighbors within reach, therefore creating a completely independent network that does not rely on other services such as Wi-Fi, internet or cellular.

EXTENDED AUTONOMY

Communication between Spidermesh nodes is synchronized. Each individual within the network transmits data according to a schedule optimized for data packet collision mitigation, which ensures that the majority of attempts at transmitting data reach their target destination without needing retries, therefore saving energy/battery life when compared to standard wireless networks.

SELF-HEALING

Spidermesh is a meshed technology in which each node cooperates in repeating data packets network-wide, therefore conferring increased reliability in long-range and/or high-density deployments, as well as and increased resistance to multipath fading.

CONTACT US

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