APOLLON-Q PP GENERAL DESCRIPTION

The Apollon-Q PP is a specialized variant of the Apollon-Q series, designed for real-time presence and state detection in logistics and industrial settings. It can monitor up to four configurable zones, with adjustable measurement frequencies of up to several hertz. An integrated accelerometer can trigger measurements on demand, helping save energy. Typical uses include detecting goods in shelves or identifying open doors and flaps. The sensor combines an optimized range with short measurement and transmission intervals, offers extensive configuration options, and supports MIOTY®, NB-IoT, LoRaWAN®, and LTE-CAT-M1.

ABOUT THE APOLLON-Q SERIES

The Apollon-Q PP is part of the Apollon-Q sensor family, combining the series' proven durability and connectivity with features tailored for precise presence detection
The Apollon-Q series comprises wireless IoT level sensors that deliver high-quality measurement results through a unique complementary measuring principle. Each sensor combines optical measurement with radar technology and supports level measurements up to 2.50 meters. Whether measuring solid objects, liquids, or bulk materials, Apollon-Q devices provide precise, reliable results for applications such as container, shaft, and duct monitoring. They also perform accurately in small containers, including waste bins. With optimized range, short measurement and transmission intervals, and advanced functionality, the series supports leading communication standards such as MIOTY®, NB-IoT, LoRaWAN®, and LTE-CAT-M1.

FEATURES

- Robust measuring principle from radar and/or ToF measuring principle
- Available with mioty®, LoRaWAN®, NB-IoT, LTE-M1
- Robust and robust IP69k housing
- Replaceable batteries
- Opening and vandalism detection available
- Provisioning via NFC and downlinks available
- Cellular communication via CoAP available via Sentinum Datahub (generic LWM2M upcoming)

- Example applications: presence detection in intralogistics, parking space monitoring for vehicles and conveyors, shelf management automatic supply systems, door monitoring

FIELDS OF APPLICATION

- Intralogistics: Presence detection of goods, pallets, or containers in storage and handling areas.
- Industrial automation: Monitoring of components, materials, or products in production processes.
- Facility management: Detection of open/closed states for doors, gates, or access points.
- Transport & material flow: Tracking occupancy in conveyor systems, transfer points, or loading zones.
- Smart infrastructure: Integration into IoT systems for automated alerts, process control, and efficiency optimization.

ARTICLE TREE CODE

Prefix	Code product series	Communication	Sensors	Add. Sensors	Examples
S	(I)APOQ	LOEU,MIOTY,NB,NBM1	PP-T1	ACC	S-APOQ-LOEU-PP-T1-ACC