



Packwise Smart Cap Basic

The Packwise Smart Cap Basic is a **plug&play tracking device for liquid containers with precise radar fill level measurement**. It offers state-of-the-art geolocation and sensors and is perfectly designed for the needs of the process industry.

Geolocation

-  GPS, Galileo, BeiDou, Glonass
-  Wi-Fi (no password required)
-  BLE
-  Cell-Tower-Triangulation

Connectivity

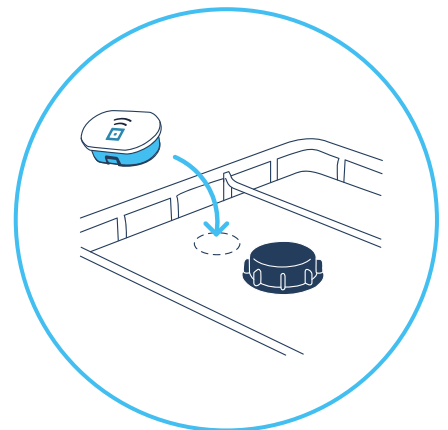
-  LTE-M, NB-IoT, 2G
- Roaming in 173 countries
-  Data recovery up to 100 days
- Unlimited data volume
-  OTA firmware upgrades

Sensors

-  Filling level
-  Temperature
-  Activity monitoring
-  Shock detection
- Manipulation detection
- Other BLE sensors can be added

Mounting

Plug&Play
mounting via
adhesive tape



Mechanics and Design

Antennas

Proprietary high performance PCB antennas

Size

100 x 46 x 142 mm

Weight

300 g

Color

Blue, white

Casing

UV-stabilized polycarbonate (lexan 945A)
Flame redardant

Water and dust resistance

IP66 & IP68

Relative humidity

0 ... 95%

Operating temperature

-20 °C to +70 °C

Storage temperature

20°C to ~+60°C

Battery

Battery Primary 3.7 V lithium thionyl chloride (Li-SOCl₂)

- Up to 10 years battery life depending on type of use (measurement and transmission intervals) and environmental conditions (temperature, mobile connection and humidity)
- 5 years guaranteed

Certifications

Regulatory

- FCC
- CE
- EN 62368-1
- EN 62311
- 1999/519/EC
- EN 301 489-17
- EN 301 489-1
- EN 301 489-3
- EN 301 489-19
- Draft EN 301 489-52
- Draft EN 305 550
- EN 303 413
- EN 301 511
- EN 301 908-13
- EN 300 328
- EN 61000-4-2
- EN 61000-4-3

Security

- Data encryption between device and backend with DTLS standard
- Device unique encryption keys
- Encrypted firmware