

# Technical Data Sheet Datasheet



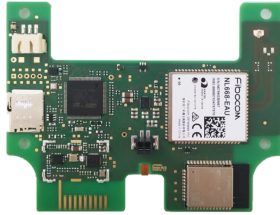
Product Name

Legend

## MYNXG

## SENSE MCE IBC

MOBILE  
CELLULAR  
EXPLOSIVE



This product was designed to monitor and manage containers. The location, quantity and condition of your liquids are measured with a non-intrusive sensor. This sense comes in an ultra-safe housing (ATEX, NEC500/505) which protects against harsh climate conditions and daily operational handling like cleaning cycles and transport in hazardous environments.

### General Data

|                      |                               |
|----------------------|-------------------------------|
| Supply               | Wireless rechargeable battery |
| Connectors           | Connector less charging       |
| Temperature          | -20C to +60C                  |
| ATEX / UL Conformity | NEC 500, Class I, Division I  |
| ATEX / UL Conformity | NEC 505, Class I, Zone 1 / 2  |
| ATEX Conformity      | Group II, Category 2G / 3 G   |
| Conformity           | UL IEC 60079 intrinsic safe   |
| Conformity           | CE / FCC radio standards      |
| Housing              | Glass Fiber reinforced        |
| Environmental        | EN 60529 IP 67                |
| Dimensions           | Size 145 x 125 x 32 mm        |

### Wireless

|          |                             |
|----------|-----------------------------|
| Mobile   | LTE, 3G, GSM                |
| WIFI     | 801.11n Hotspot/Client Mode |
| ISM Band | 868 MHz (EU) / 915 MHz (US) |

### Security

|                       |                          |
|-----------------------|--------------------------|
| Hardware Security     | TPM Module BSI certified |
| Encryption Technology | MYNXG Cyphersuite        |
| Blockchain Technology | MYNXG Blockchain         |

### Edge Computing

|                                |  |
|--------------------------------|--|
| Processor                      | ARM Cortex M4  |
| Operating System               | MYNXG Sensor OS  |
| Intrusive Fill Level Detection | Detect fill levels in IBC Containers                               |
| Intrusive Fill Level Accuracy  | 1 %  |
| Operation with one battery     | 1 message per hour / 180 days<br>1 message per six hours / 3 years |
| KANBAN cycle Management        | Onboard intelligence and state machine controls the process        |
| Safety Processing              | Onboard intelligence manages shocks and other impacts              |

### Sensors Inside

|                           |                                    |
|---------------------------|------------------------------------|
| ST Gyro Sensor            | Acceleration / Orientation         |
| Bosch Climate             | Temperature, Humidity              |
| Ambient Light Sensor      | Detects any opening of the housing |
| Geo Localization          | Via GPS or via Cell Information    |
| Fill Level Sensor Element | PIEZO Crystal Sensor               |

### Product Number

|                   |
|-------------------|
| 41001X            |
| US and EU Version |

**Smart. Realtime. Secure.**