



TRACI

Your location and asset tracking solution

PART NO | 0273 6000 46

- Locate your assets, vehicles, machines, equipment and building materials.
- Improve your workflows, logistics and processes in daily work.
- Ease your material planning, purchasing, fleet- and resource accounting planning in the office.
- Reduce your downtime and costs for your project.

TRACI is a sensor solution for location & asset tracking, smart agriculture, smart industries, logistics, transportation, facilities management and others.

Make use of a wireless and secure sensor solution equipped with four built-in sensors, as well as LoRa and BLE connectivity. This allows to measure crucial data, related to your equipment, and to transmit the data wirelessly, over several kilometers to your backend.

MEASUREMENT PARAMETERS



GPS



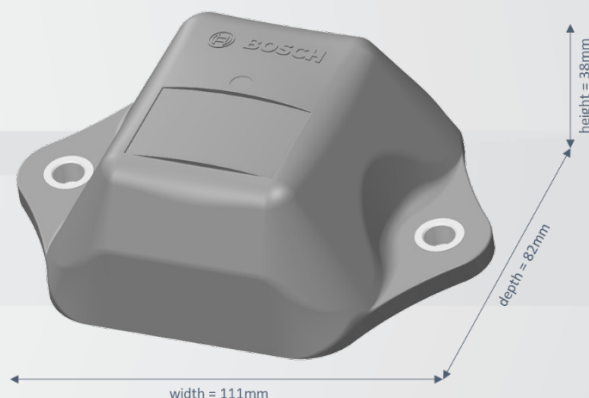
Temperature sensor



Magnetometer



Shock sensor



SCOPE OF DELIVERY

- ▶ TRACI device
- ▶ Instructions for safe use

OPERATING CONDITIONS

- | | |
|---------------------------|--|
| ▶ Water / dust protection | Class IP 69K according to ISO20653 |
| ▶ Vibration / shock | Class 5M3 according to IEC 60721-3-5 |
| ▶ Impact | IK10 |
| ▶ Temperature | Class 5K4H according to IEC 30721-3-5 |
| ▶ Chemicals / liquids | Classes 5B3 / 5C2 / 5F3 according to IEC 60721-3-5 |

DEVICE SPECIFICATIONS

- | | |
|--------------------|--|
| ▶ Weight | 170 g |
| ▶ Dimensions | Length 111 mm x depth 82 mm x height 38 mm |
| ▶ Battery lifetime | Depending on the use case; 10.000-15.000 GPS fixes; 20.000 LoRa messages |

MAIN COMPONENTS

- ▶ Battery 9.2 Wh; 3.6V / 8.1 Ah; non rechargeable Lithium SOCl
- ▶ 3 axis Accelerometer +/- 2g 1mg; +/- 4g 2mg; +/- 8g 4mg; +/- 16g 8mg; fmax2kHz
- ▶ 3 axis Magnetic sensor +/- 1.300µT 0.3µT
- ▶ Temperature sensor -25°C ... +85°C +/- 0.5°C
- ▶ GNSS sensor GPS, GLONAS and SBAS

COMMUNICATION INTERFACE

- ▶ LoRa 868MHz and 923MHz
- ▶ Bluetooth 4.2 EM9304 – BT 5.0 ready /passive NFC

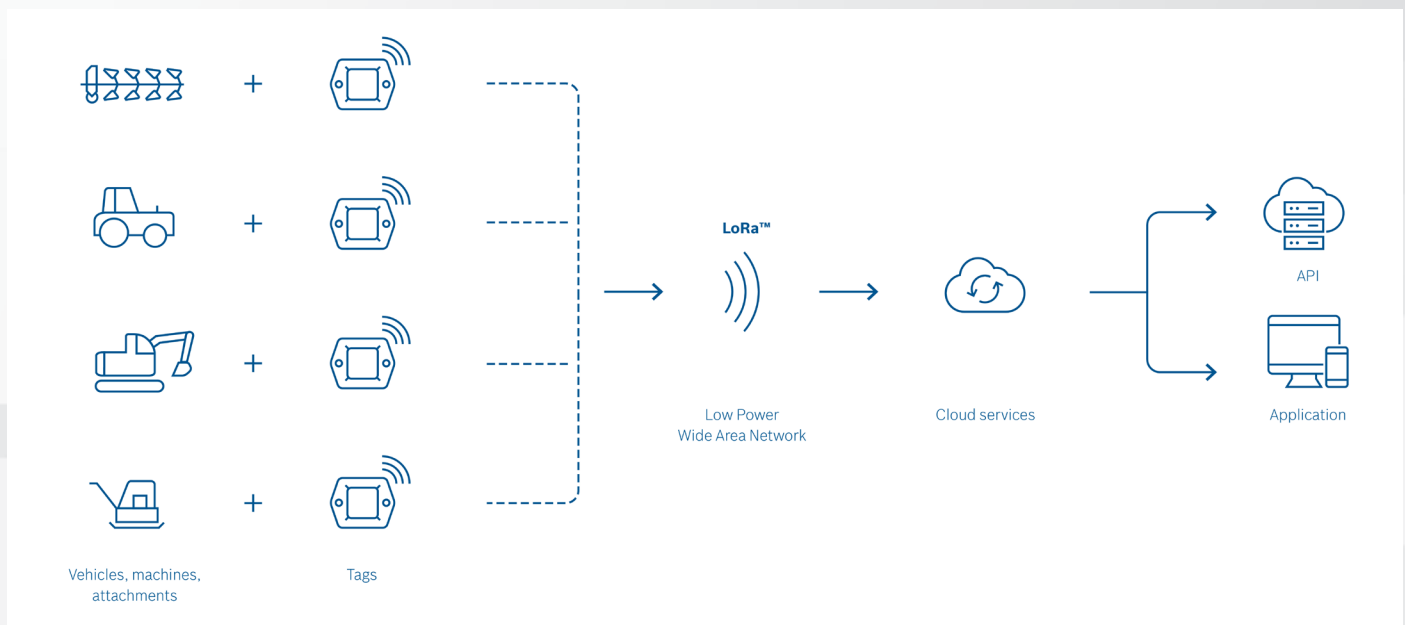
TARGET MARKETS

- ▶ Europe
- ▶ Japan
- ▶ Ukraine
- ▶ Brazil
- ▶ South Africa

ABOUT LORA TECHNOLOGY

Bosch Connected Devices and Solutions is a member of the LoRa Alliance, an open, non-profit association of members, who believe that the Internet of Things era is right now. It is the fastest growing technology alliance worldwide.

LoRa uses license-free sub-gigahertz radio frequency bands like 169 MHz, 433 MHz, 868 MHz (Europe) and 915 MHz (North America). The technology is presented in two parts – LoRa, the physical layer and LoRaWAN (Long Range Wide Area Network), the upper layer. TRACI is a fully LoRaWAN certified device.



GET IN CONTACT WITH US!

E-Mail: support@bosch-connectivity.com

Technical data subject to modification without notice.

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