



## BEACON

## Beacon Industry

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The smart-BEACON Industry was developed for reliable use in demanding industrial environments characterized by heat, humidity, and heavy manual handling. It enables wireless identification, localization, and condition monitoring of objects, equipment, and facilities in near real time via Bluetooth® Low Energy (BLE).

### Activation and Battery Concepts

smart-BEACON, when combined with RFID, offers various activation and battery concepts, such as pull-tab, NFC, UHF-RFID, or magnetic switch. The energy-efficient BLE technology enables long battery life while providing long range and flexible integration into existing digital processes. Transmission interval and power, data format, and other parameters are configured to meet specific customer requirements to optimally adapt range, runtime, and performance

[+49 89 613007 80](tel:+498961300780)[info@smart-tec.com](mailto:info@smart-tec.com)[www.smart-tec.com](http://www.smart-tec.com)

RATHGEBER GmbH & Co KG - Kolpingring 3 - 82041 Oberhaching - Germany

Managing directors: Business economist (VWA) Andrea Schrägle, Dipl.-Wirtsch.-Ing. (FH) Andreas Schrägle

Commercial register entries: Andreas Schrägle GmbH

Registered office Munich: AG Mchn. B 44890, smart-TEC GmbH & Co. KG: AG Mchn. A 8238 - VAT ID no.: DE 129 725 198

to your project's needs.

## Customization and Sensors

Our smart-BEACON Industry for industrial applications can be customized to the specific application in terms of size, design, mounting method, printing, chip, battery concept, and color. It is on-metal capable and is available with various integrated sensors for pressure, temperature, humidity, vibration, and much more.

## Applications

- ✓ Asset and Resource Management
- ✓ Container and Material Flow Tracking
- ✓ Warehouse and Logistics Processes
- ✓ Maintenance and Quality Management
- ✓ Indoor Localization and Zone Detection
- ✓ Visitor and Employee Guidance
- ✓ IoT and Industry 4.0 Applications

## Technical data



All properties of our RFID/NFC labels are optimized to your project requirements and application purposes.

|                  |                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------|
| <b>Frequency</b> | 2.402 GHz – 2.480 GHz, 13.56 MHz (HF+NFC), 860-960 MHz (UHF)                                      |
| <b>Material</b>  | Polyurethane                                                                                      |
| <b>Labeling</b>  | Print, Laser                                                                                      |
| <b>Fastening</b> | Self-adhesive, Mounting holes for cable ties, screws and rivets, Magnet, Without fastening option |
| <b>Sensors</b>   | Temperature, Humidity, Pressure, Shock                                                            |

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|                      |          |
|----------------------|----------|
| <b>Delivery form</b> | Isolated |
|----------------------|----------|

|                                       |     |
|---------------------------------------|-----|
| <b>Suitability for metal surfaces</b> | Yes |
|---------------------------------------|-----|

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