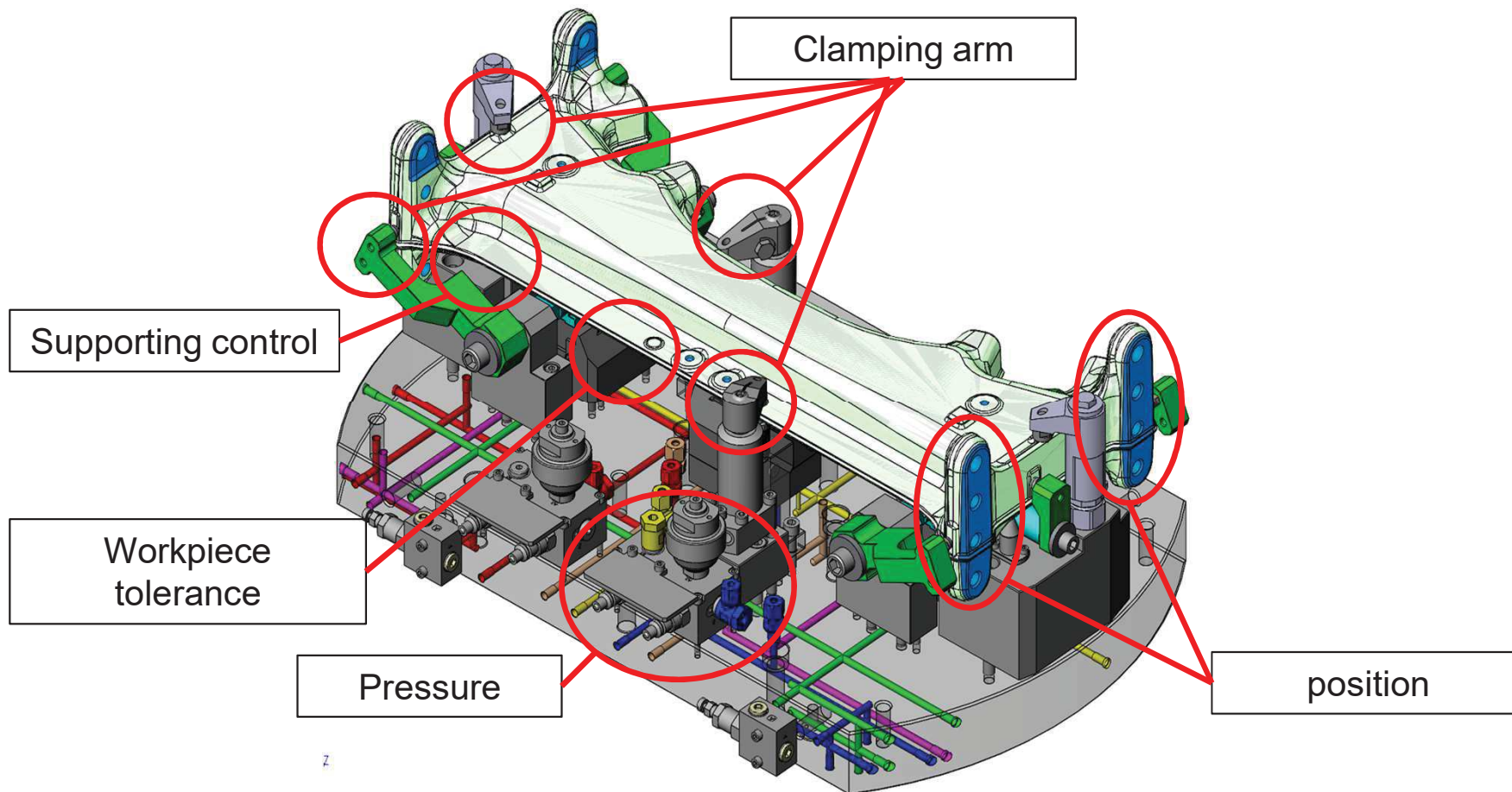


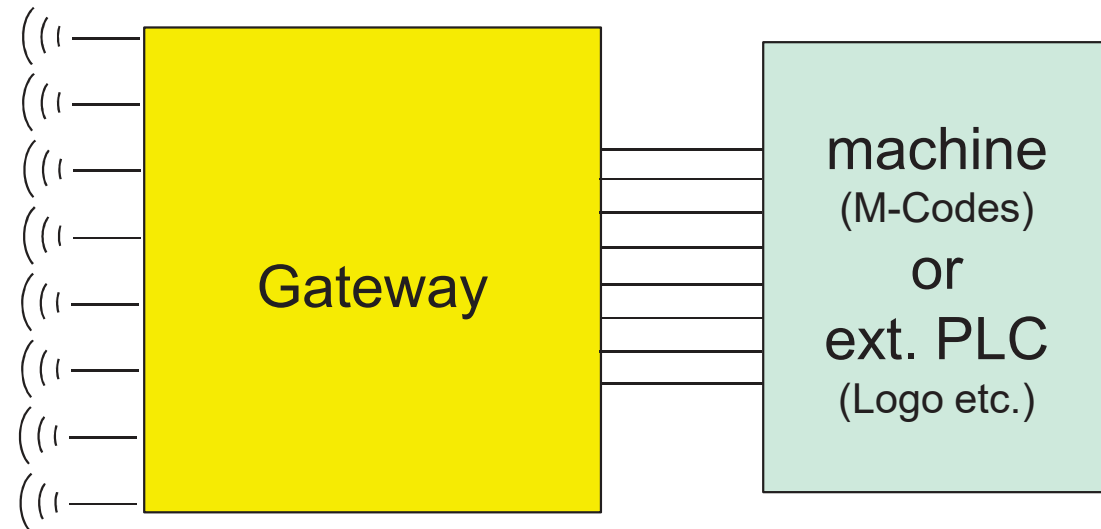
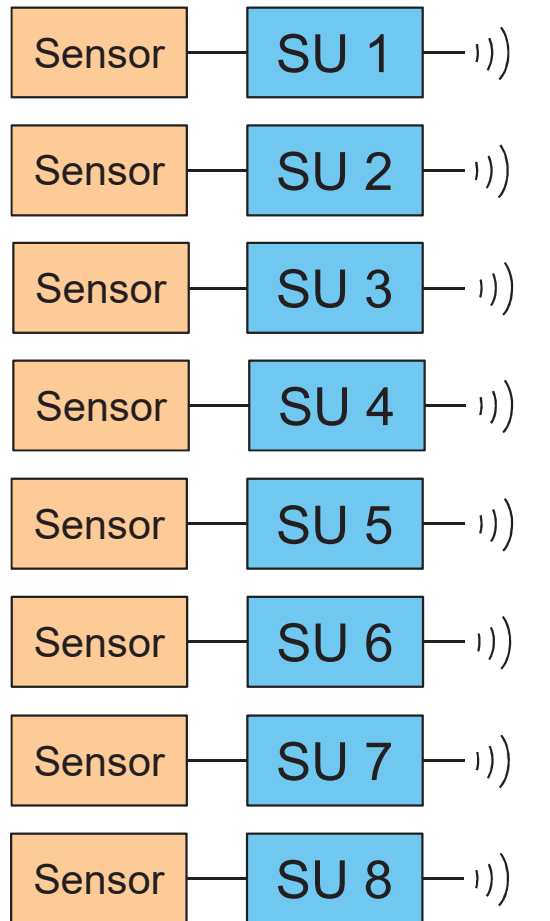
AMF Wireless Sensors (OG18)



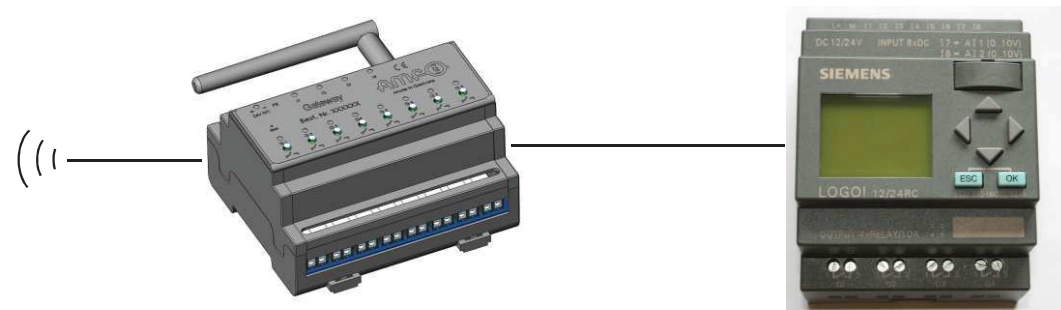
> Monitoring on a clamping device



> Functional description

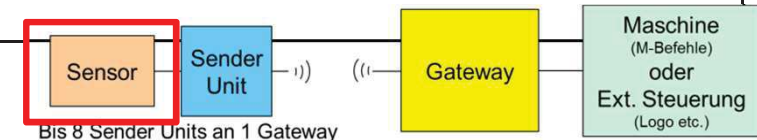


Up to 8 Sender Units on 1 Gateway



> sensors

	microswitch (5020SMS-01/02)	microswitch (5020SMS-03/04)	Reed switch (5020SRS-1)
application areas	<ul style="list-style-type: none"> - End position inquiry - Position detection - Automation technology 	<ul style="list-style-type: none"> - End position inquiry - Position detection - Automation technology 	cylinder (pneum.)
accuracy	+ / - 0,35 mm	0,01 mm	+ / - 0,2 mm
Switch type	Normally open	Normally open	Normally open (PNP)
IP protection class	IP 67	IP 44	IP 65
Housing	plastic	Stainless steel V2A	plastic
Connection method	150 mm or 500 mm wire with M8x1 circular connector	150 mm or 500 mm wire with M8x1 circular connector	300 mm cable with M8x1 circular connector
Cable length	Defined cable length, standardised extensions every time possible		
Installation position	Any direction		



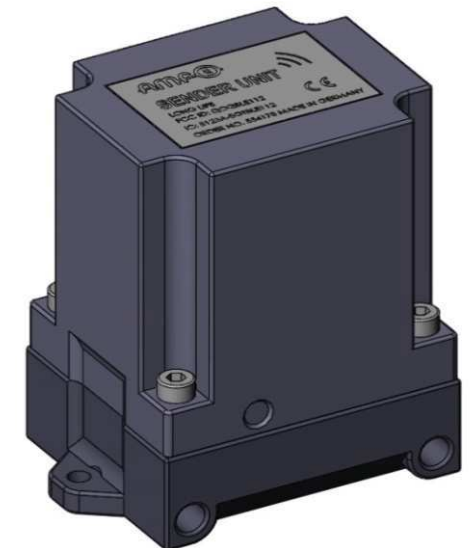
> Sender Unit

Description:

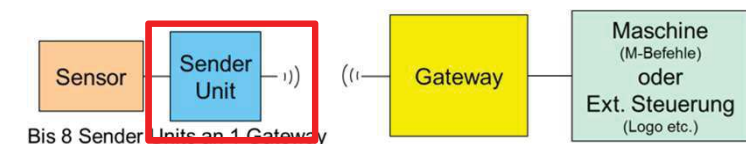
- > Wireless transmission of the sensor signal to the Gateway.
- > Transmission via Bluetooth Low Energy (BLE 4.0)
- > Radio range depending on the environment: approx. 10 m
- > Easy and quick installation without opening the housing
- > protection class: IP 67 (when connected) against usual lubricants
- > Suitable for connection of mechanical switches, e.g. microswitch or reed switch



Sender Unit



Sender Unit long life



> Sender Unit

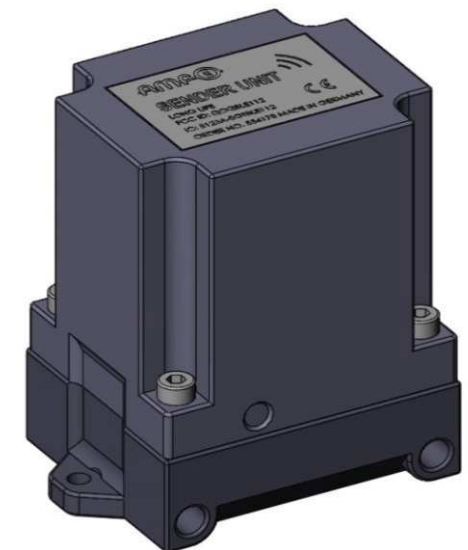
Description:

- > After activation: a regular still alive signal (presence control of the Sender Unit)
- > If there is a change of state, the gateway will get a signal from the Sender Unit immediate
- > Battery life time:

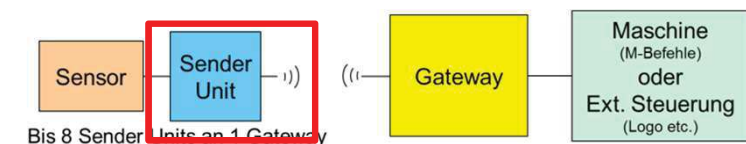
Sender Unit	up to 1,5 years
Sender Unit long life	up to 5 years
- > Warning battery condition visually on gateway and in web interface



Sender Unit

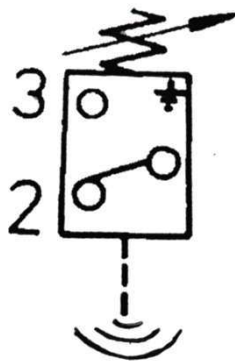
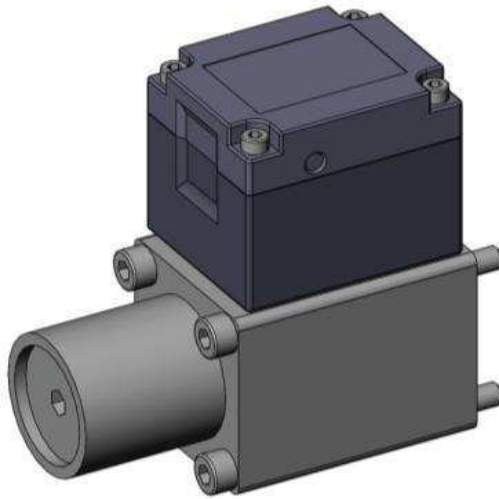


Sender Unit long life

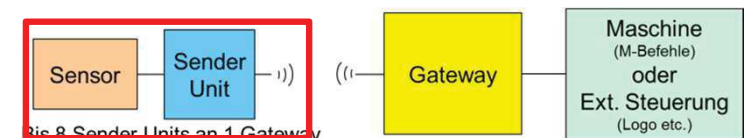


> Wireless pressure switch (mechanical)

Description:



- > piston pressure switch for pressure monitoring of a clamping circuit with directly mounted Sender Unit
- > Mounting on device or via adapter plate in pipeline
- > Wireless transmission to Gateway
- > Use on mobile or inaccessible devices - any installation position
- > Pressure range up to 200 bar and up to 400 bar
- > protection class: IP 67 against usual lubricants
- > Battery life time up to 1,5 years

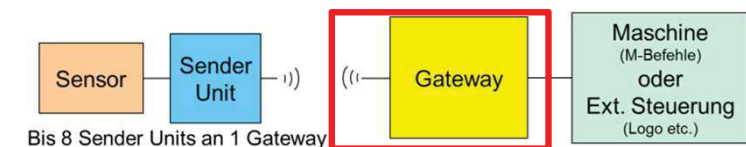


> Gateway



Description:

- > Receiver for the signals of the Sender Units
- > Transmission via Bluetooth Low Energy (BLE 4.0)
- > Radio range approx. 10 m – Antenna attachment possible with antenna accessories. When installed in a control cabinet it is usually necessary.
- > 8 potential-free relay outputs, galvanically isolated (switching states visually visible on the gateway)
- > Coupling with up to 8 transmitter units, extendable by additional gateways
- > IP protection class: IP20
- > Mounting on top hat rail in control cabinet (recommendation: machine control)

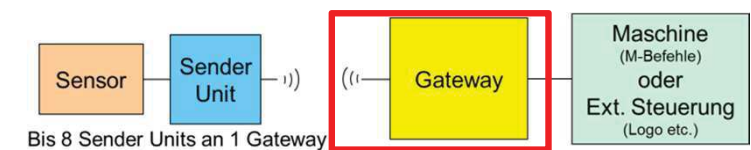


> Gateway



Description:

- > Easy operation directly at the gateway or via visualization software
- > Visualization software (Web Interface) is part of the Gateway. This allows the Gateway to be operated via a PC or tablet.



> Application Webinterface

Gateway

Connection

Display unit

Option A: Tablet



Option A: WLAN-Router



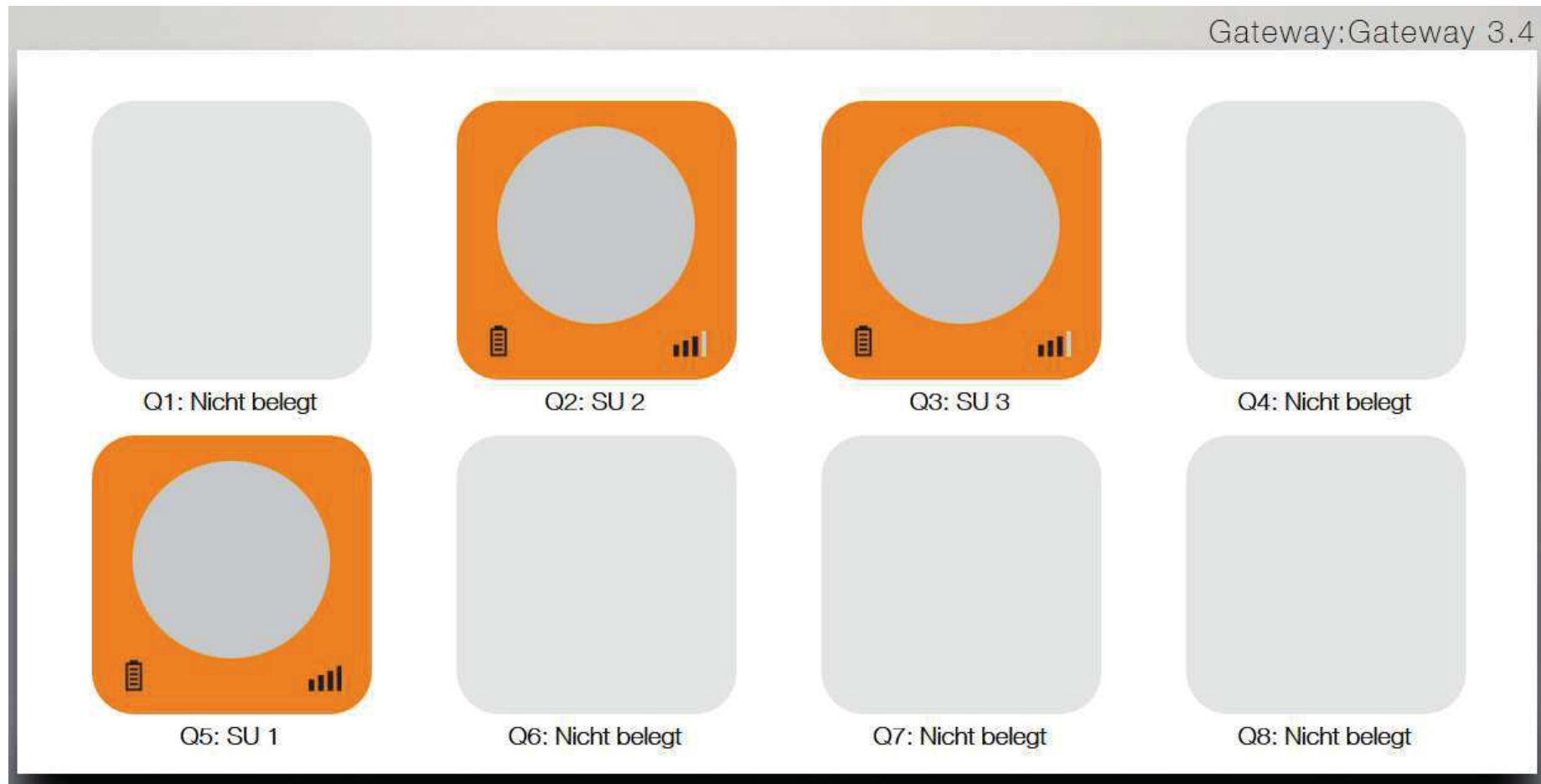
Option B: Notebook / PC



Option B: LAN cable

> Gateway – Webinterface Infoscreen

The info screen shows an overview of the paired sender units with a display of the most important data.



> Gateway – Webinterface configuration

The configuration displays a detailed view of the sender units and their data. In addition, sender units can be managed and outputs assigned.

Gateway: Gateway 3.4

Q1 PAIREN	
Q2 SU 2 (65 90 AD 80 07 00)	<input type="radio"/> ⓘ 📶 📄 🗑️
Q3 SU 3 (5A 90 AD 80 07 00)	<input type="radio"/> ⓘ 📶 📄 🗑️
Q4 PAIREN	
Q5 SU 1 (68 90 AD 80 07 00)	<input type="radio"/> ⓘ 📶 📄 🗑️
Q6 PAIREN	
Q7 PAIREN	
Q8 PAIREN	
VERFÜGBARE SENDER UNITS ▼	

Informationen zu den einzelnen Sender Units erhalten Sie mit dem Informationssymbol.

> Complete overview

Sensors

microswitch
5020SMS-01/02



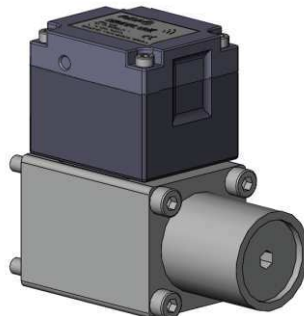
microswitch
5020SMS-03/04



Reed switch
5020SRS-1



Pressure switch
5020SDS-01/02

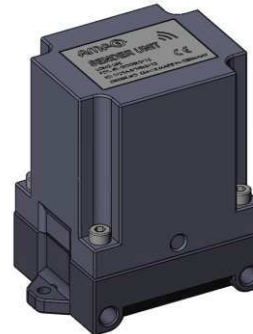


Sender Units

Standard
5010SUS-01



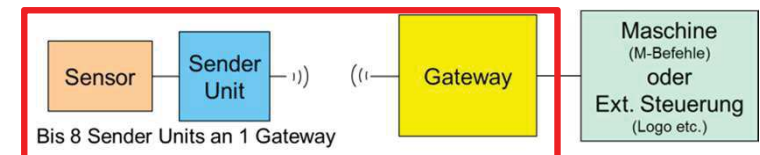
Longlife
5010SUS-02



Gateway



5010G-01



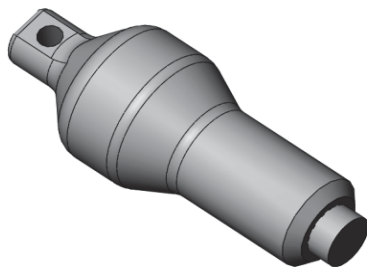
> accessories



Antenna foot with extension
5030ZA-01



W-LAN Router
5030ZR-01



Pairingstick
5030ZB-02



Seal + battery
5030ZB-01
5030ZB-02

> Herzlichen Dank

Danke für Ihre Aufmerksamkeit.

Tack. Merci beaucoup. Thank you. ¡muchas gracias!

Grazie. Dziękujemy. Спасибо. *Tak.* Bedankt.

**Für Fragen und Anregungen stehe ich
natürlich gerne zur Verfügung ...**