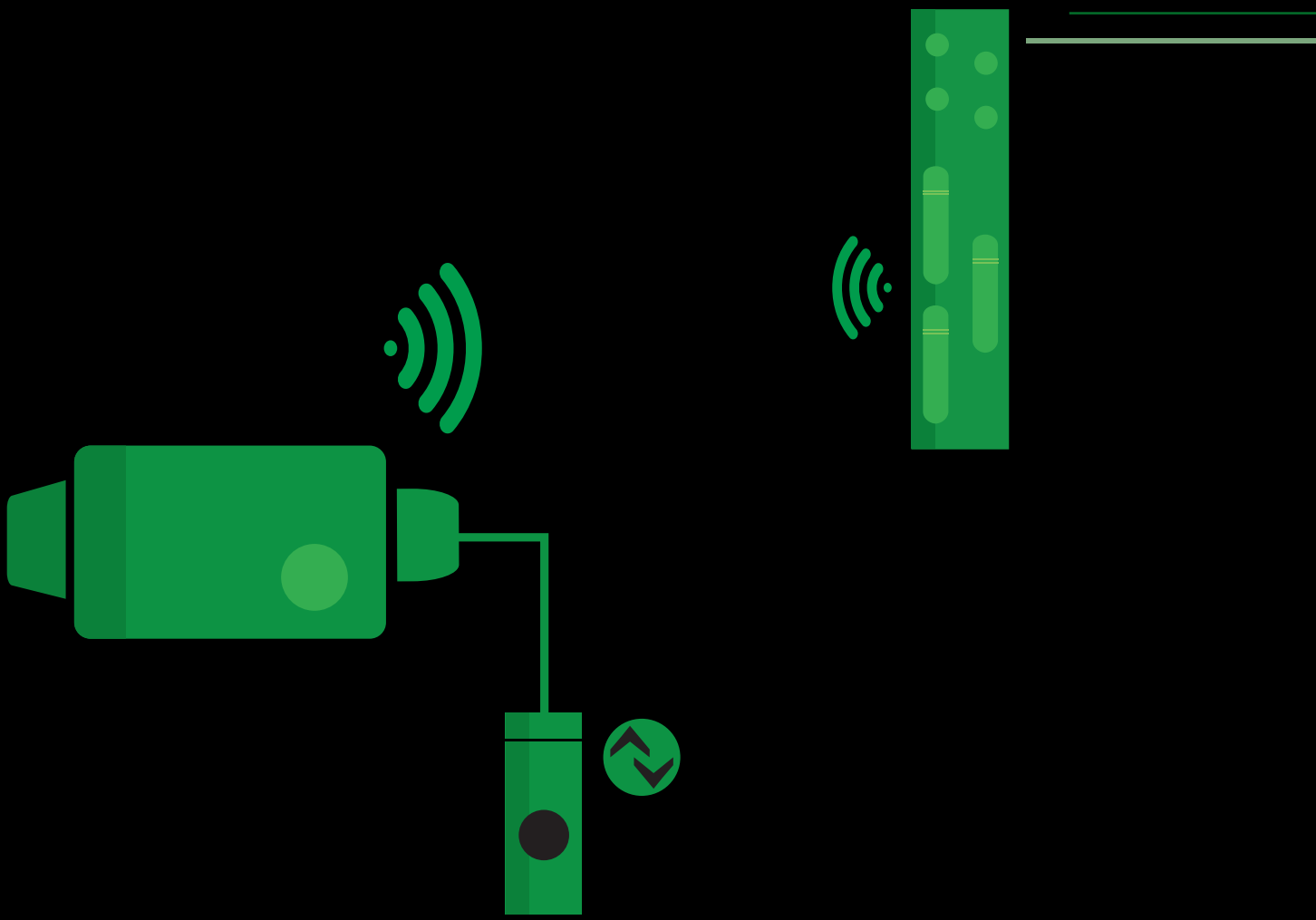
netFIELD DEVICE IO-LINK WIRELESS

IO-LINK WIRELESS BRIDGE FOR WIRELESS INTEGRATION OF IO-LINK DEVICES



THE BRIDGE FOR YOUR WIRELESS IO-LINK

netFIELD Device IO-Link Wireless technology enables Hilscher to set the course for a smooth wireless integration of IO-Link compatible sensors. This allows plant operators and machine builders to equip their devices with industrial sensors and to integrate them easily and reliably into industrial networks.

IO-Link Wireless is based on the proven technology of wired IO-Link systems. That makes it easy for business to flexibly connect difficult-to-access sensors in production plants, production robots, or legacy systems using IO-Link technology. Downtime is minimized due to failures, as cable breaks are excluded.

IO-LINK INTEROPERABILITY

→ The wireless function can be seamlessly integrated into all IO-Link devices.

REAL-TIME ETHERNET CAPABILITY

→ Supports industrial networks such as PROFINET, EtherNet/IP, and EtherCAT with Hilscher's IO-Link Wireless Master

RELIABLE REAL-TIME COMMUNICATION

→ The shortest possible transmission cycle per device is 5 ms, with a wireless range of point-to-point communication of up to 10 meters

QUICK ASSEMBLY

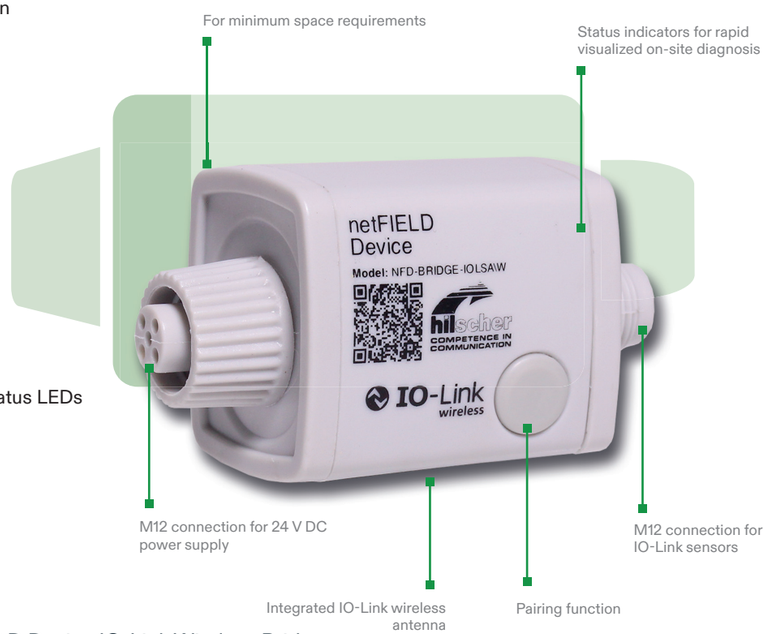
→ Only requires a 24 V power supply; a mounting bracket is also included in the scope of delivery

GET STARTED RIGHT AWAY

→ Easy commissioning thanks to pairing function, firmware over-the-air and on-site diagnostics with integrated status LEDs

RESISTANT

→ IP67-compliant housing for harsh industrial environments



→ QR Code Link: netFIELD Device IO-Link Wireless Bridge
Service-Hotline: +49 (0) 6190 9907-90
www.hilscher.com

SIMPLE SOLUTIONS WITH FLEXIBLE NETWORKING OPTIONS

MINIMAL INSTALLATION EFFORT

→ Point-to-point wireless connectivity via the **netFIELD Device IO-Link Wireless** Bridges enables the cyclic exchange of input and output process data between the master and its connected devices.

MORE COMMUNICATION CHANNELS

→ A **netFIELD Device IO-Link Wireless** Master supports up to 16 bridges – twice as many sensors can be connected as with conventional IO-Link Masters.

PROFESSIONAL SOFTWARE SUPPORT

→ Hilscher supports you with a broad set of software tools, including a special tool for the IO-Link configuration.

CONNECTION OF SPATIALLY CONFINED SPACES

→ Sensors only require a single power supply to transmit data to the master via Hilscher's **netFIELD Device IO-Link Wireless** Bridge and vice versa.

MORE ROOM TO MOVE

→ The use of wireless technologies for data transmission provides additional freedom of movement for industrial robots, cobots and other machines.

AVOIDANCE OF DOWNTIMES

→ Wireless data connections are immune to physical stress – for example, thanks to moving robotic arms.

*Greater reliability, availability and flexibility with **netFIELD Device IO-Link Wireless** technology*

empowering communication

FACT SHEET - THE TECHNICAL DATA

IO-Link connection	
Communication	IO-Link Version 1.1
IO-Link	Class A
Transmission types	COM1, COM2, COM3
Connector	M12, A-coded, socket

IO-Link Wireless	
Communication	IO-Link Version 1.1
Radio connection	1 Wireless point - IO-Link Wireless Device
Transmission Cycle	5 ms
Process Data (Input/Output)	32 Byte In-/Output
Antenna	1, internal, isotropic
Frequency range	2.4 GHz ISM band
Pairing	Push button

Bridge	
Connector	M12, A-coded, plug
Supply voltage	24 V DC (-25 ... +30%)
Output current (max.)	1.0 A
Protection class	IP67
Ambient temperature (operation)	–25 °C ... +60 °C
Dimensions with M12 connections (LxWxH)	66.6 × 35.6 × 35.6 mm
Weight	Approx. 38 g (without optional bracket)
Authorization	CE / UKCA
Radio permission	**Europe**

Product name	Part number	Description
NFD-BRIDGE-IOLSA\W	1912.103	netFIELD IO-Link Wireless Bridge Class A