# Press release

# Better by far

The new RFID readers for flexible use in production and logistics score points with their compact design, reading ranges of up to 100 mm, flexible mounting options and IO-Link.

*Owen, 5 May 2025 –* If you want to reliably track every step in automated production lines and logistics, you need powerful, robust sensor technology that is as compact as possible. Leuze presents its new RFID readers that optimally fulfill these requirements: The devices in the RDH 100 and RDH 200 series operate in the high-frequency range. They stand out for their reading ranges of up to 100 mm, compact design and flexible mounting options. The devices have an IO-Link interface for uncomplicated, fast use at sensor level. Plus the RFID readers are temperature-resistant down to -32°C during operation, making deep-freeze warehouse applications easily possible.

**RDH 100: Compact und robust**

Where space is tight in production environments, production cells or assembly workstations, an RFID reader from the RDH 100 series is the ideal solution. The cylindrical RDH 100 reader has a diameter of just 30 millimeters, allowing it to fit into the smallest of gaps. The RFID reader detects transponders with pinpoint accuracy and a reading range of 60 millimeters. It has a very robust design: The metal round sleeve version (with M30 x 1.5 thread) offers optimum mechanical protection against external influences and a high level of ingress protection (IP 67). This allows the reader to be used flexibly in different areas – even in machining centers for metallic components where harsh environmental conditions prevail.

**RDH 200: NFC functionality included**

The RDH 200 series is suitable for NFC applications too: The readers can also be used for authentication on machines via NFC tags, for example. The RDH 200 series offers a large reading range of up to 100 millimeters – yet the devices are also extremely compact (68 x 68 x 42 millimeters). This allows them to be used flexibly in production control and assembly. Practical installation: The back of the device is designed as a mounting plate. This enables flexible, quick fastening with screws and provides particularly good accessibility. The plate also allows it to be mounted directly on metallic surfaces.

Characters: approx. 2,253  
   
Please send a sample copy.  
Interviews available upon request.

**Image material**

Ein Bild, das Uhr, Design, Gerät enthält.

KI-generierte Inhalte können fehlerhaft sein.

Figure 1: The devices in the RDH 100 and RDH 200 series operate in the high-frequency range. They stand out for their reading range of up to 100 mm, compact design and easy integration via IO-Link.

Ein Bild, das Maschine, Design enthält.

KI-generierte Inhalte können fehlerhaft sein.

Figure 2: Space is usually tight in production cells. No problem for the RDH 100 series’ compact, cylindrical RFID readers.

Ein Bild, das Text, Haushaltsgerät, Person, Computer enthält.

KI-generierte Inhalte können fehlerhaft sein.

Figure 3: User authentication on machines with RDH 200 series devices.

Ein Bild, das Buch, Im Haus, Regal, Design enthält.

KI-generierte Inhalte können fehlerhaft sein.

Figure 4: Thanks to an operating temperature range down to -32°C, the RDH 100 and RDH 200 series’ RFID readers are also suitable for intralogistics in deep-freeze areas.

*With over 60 years of experience, Leuze has become an expert in innovative and efficient sensor and safety solutions in automation technology. Today, around 1,600 Sensor People worldwide use curiosity, passion and determination to drive progress and change. Their motivation is the lasting success of their customers in a constantly changing industry. Leuze offers its customers an individual competitive advantage through intuitive and reliable solutions for safe and non-safe position detection. For example, switching and measuring sensors, identification systems, solutions for data transmission and image processing. As a family-owned company and safety expert, the company also focuses on components, services and solutions for occupational safety. Thanks to their broad and in-depth application expertise in the machine and system construction, the Sensor People are a competent and flexible partner for customers with a wide range of industrial requirements.* [www.leuze.com](http://www.leuze.com)

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