Safety laser scanner RSL 200
For area protection on machines and systems

Safety at Leuze

With their dimensions of 80 x 80 x 86 mm, the compact RSL 200 safety laser scanners take up very little space and and can therefore be easily and unobtrusively integrated into the machine design. With a range of 3.00 m and a 275° scanning angle, they offer cost-effective solutions for many standard area guarding tasks.

Your benefits at a glance

— Thanks to the small dimensions of 80 x 80 x 86 mm the devices can be easily and unobtrusively integrated into the machine design
— Reliable operation: Robust against dirt and particles in the air as well as against shocks and vibrations
— Simple integration thanks to standard M12 connection with rotatable plug
— Switchable field sets for adaptation to dynamic protection situations
— Quick access to status information and simple diagnostics with the RSL200 app

Features

Technical data		
	Safety	Type 3, PL d, SIL 2
	Range	Protective field: 3 m / Warning field: 15 m
	Scan angle	275°
	Resolution	70 mm, 50 mm
	Field sets (1 protective and 2 warning fields)	1 (RSL 210) | 8 (RSL 220) | 32 (RSL 230/235)
	Connector	M12 connector, 8-pin (RSL 210/220) | M12 connector, 12-pin (RSL 230/235) | For Ethernet TCP / IP: M12 connector, 4-pin (RSL 230/235)
	Dimension (W x H x D)	80 x 80 x 86 mm
	Temperature range	0 … +50°C

Features	
	Configuration and diagnostics via USB and Bluetooth, with RSL 230/235 additionally via TCP / IP. Exchangeable configuration memory.
	RSL200 app for quick access to status information and simple diagnostics
	Accessories: bracket for easy alignment with low space requirement, protective bracket

The Sensor People

Rotatable connection for perfect integration

With its rotatable connection, the RSL 200 offers maximum flexibility for cable routing. All of the device's functions can be controlled and evaluated via the standard 8-pin M12 connection (12-pin for RSL 230/235). This means less space is required and less effort is needed for integration and commissioning.

With the compact safety scanner and a space-saving bracket or connection technology, the user has further options for simple and flexible installation, especially in confined spaces.

High availability thanks to exchangeable configuration memory

The RSL 200 has an exchangeable configuration memory. This means that the device configuration can be quickly and easily transferred to a new device when servicing is required with little effort.
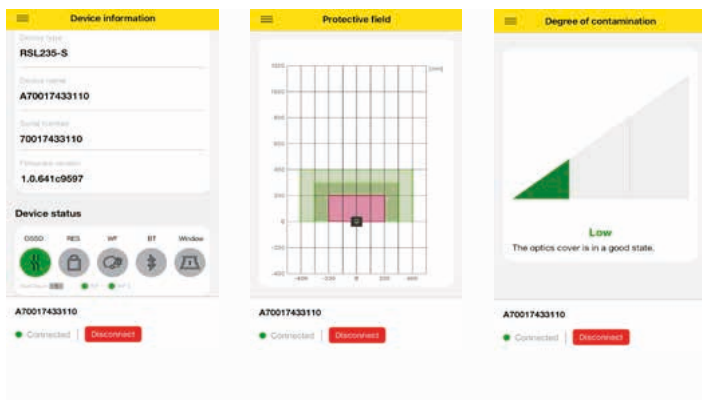
Three communication channels

All RSL 200s offer USB and Bluetooth interfaces for configuration and diagnostics. In addition, the RSL 230/235 are already network-compatible thanks to their integrated Ethernet TCP/IP interface.
— USB
— Bluetooth
— Ethernet TCP/IP (from RSL 230)

Quick diagnostics with the RSL 200 app

The RSL 200 app enables easy access to status information and diagnostic data via Bluetooth - even if the RSL 200 is installed in areas that are difficult to see or access to the device is restricted. Bluetooth remote access does not affect machine availability. is not impaired. All messages are displayed in plain text and can also be sent directly to Leuze Service if required.