



# ISD400

Wireless communication – fast and easy

**OPTICAL DATA TRANSMISSION**

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Transmission range</b>	0.2 m ... 200 m (depending on type) (depending on type)
<b>PROFIBUS DP</b>	✓
<b>Ethernet</b>	✓
<b>Enclosure rating</b>	IP65
<b>Ambient temperature, operation</b>	-40 °C ... +55 °C, operation with heating (depending on type) (depending on type)
<b>Ambient temperature, storage</b>	-40 °C ... +75 °C
<b>Data transmission rate</b>	3 Mbit/s ... 100 Mbit/s (depending on type) (depending on type)

### Product description

The ISD400 optical data transmission product family offers numerous benefits that support straightforward, cost-effective, fast, and flexible integration of wireless data transmission into highly automated production and logistics facilities. With protocol-free Fast Ethernet at speeds of 100 Mbps, the ISD400 Pro easily supports the transmission of high bandwidths.

### At a glance

- PROFIBUS DP interface for the ISD400 Core
- Protocol-free Fast Ethernet interface for the ISD400 Pro
- Fast Ethernet with a transmission rate of 100 Mbps for the ISD400 Pro
- Connection and operation without opening the device
- Version with heating for use in temperatures as low as -40 °C

### Your benefits

- An integrated optical and electronic alignment aid supports fast and cost-effective commissioning
- Wide operating temperature range guarantees high system throughput, even in cold stores
- Integrated PROFIBUS DP repeater for the ISD400 Core for cost-effective and straightforward multi-master configuration
- Output of operating parameters and status information via display and switching output in the ISD400 Pro to prevent unexpected failures

### Fields of application

Wireless data transmission from mobile vehicle to base (storage and retrieval vehicle, transverse shuttle car, or gantry crane, for example)

## Ordering information

Other models and accessories → [www.sick.com/ISD400](http://www.sick.com/ISD400)

Communication interface	Ambient temperature, operation	Heating	Transmission range	Data transmission rate	Frequency	Type	Part no.
Ethernet	-20 °C ... +55 °C	-	0.2 m ... 150 m	100 Mbit/s	F1	ISD400-7211	1065100
					F2	ISD400-7212	1065101
			0.2 m ... 200 m	100 Mbit/s	F1	ISD400-7311	1071522
					F2	ISD400-7312	1071579
	-25 °C ... +55 °C	-	0.2 m ... 180 m	3 Mbit/s	-	ISD400-6111	1046119
					-40 °C ... +55 °C	✓	0.2 m ... 150 m
	F2	ISD400-7222	1065103				
	0.2 m ... 180 m	3 Mbit/s	-	ISD400-6121			1046120
			0.2 m ... 200 m	100 Mbit/s			F1
	F2	ISD400-7322			1071581		
PROFIBUS DP	-25 °C ... +55 °C	-	0.2 m ... 180 m	3 Mbit/s	-	ISD400-1111	1042286
	-40 °C ... +55 °C	✓	0.2 m ... 180 m	3 Mbit/s	-	ISD400-1121	1043511

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)