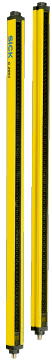


C2000 Standard

Compact, cost-effective and convenient for standard protection applications

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL c, SIL 1, Type 2
Resolution	20 mm / 30 mm / 40 mm (depending on type)
Scanning range	6 m / 19 m (depending on type)
Protective field height	150 mm ... 1,800 mm (depending on type)
Enclosure rating	IP65
Ambient operating temperature	0 °C ... +55 °C



Product description

The C2000 Standard safety light curtain is a reliable and cost-effective device for hazardous point and area protection. Although the C2000 Standard is typically used in less complex applications with few hazards, its robust design and high signal reserve makes it suitable for harsh industrial environments as well. The integrated EDM (External Device Monitoring) function reduces wiring cost. The 7-segment display provides instant feedback on product status and ensures fast alignment and easy diagnostics. In addition, sens:Control devices, accessories, and services complete the product offering and form a packaged solution designed specifically for industrial environments.

At a glance

- Type 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849)
- Rugged, industrial housing
- 7-segment display
- Impact and scratch-resistant front screen
- External device monitoring (EDM)
- Beam coding for correct system allocation
- A wide range of standardized connection and mounting accessories
- Internal self-testing function, configurable without PC

Your benefits

- Customer-friendly interfaces and status display simplify commissioning and maintenance
- High-quality industrial design provides reliable and durable continuous operation
- 7-segment display saves time during alignment and diagnostics
- Rugged design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- A multitude of intelligent mounting adapters enables flexible, time-saving installation
- Ability to integrate SICK safe control solutions provides additional application flexibility and customization, including restart interlock and EDM functions
- Special variants for wash down environments

Fields of application

- Hazardous point protection on machines or systems
- Wood industry
- Textile industry
- Machine tools industry
- Logistics
- Packaging machinery
- Printing and paper industry
- Material handling equipment

Ordering information

Other models and accessories → www.sick.com/C2000_Standard

- **Resolution:** 20 mm

Scanning range	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
6 m	150 mm	C20S-015102A11	1016563	C20E-015302A11	1016564
	450 mm	C20S-045102A11	1016573	C20E-045302A11	1016459
	600 mm	C20S-060102A11	1016574	C20E-060302A11	1016575
	750 mm	C20S-075102A11	1016579	C20E-075302A11	1016580
	900 mm	C20S-090102A11	1016584	C20E-090302A11	1016585
	1,050 mm	C20S-105102A11	1016589	C20E-105302A11	1016590
	1,200 mm	C20S-120102A11	1016464	C20E-120302A11	1016465
19 m	150 mm	C20S-015202A11	1016631	C20E-015302A11	1016564
	450 mm	C20S-045202A11	1016458	C20E-045302A11	1016459
	600 mm	C20S-060202A11	1016633	C20E-060302A11	1016575
	750 mm	C20S-075202A11	1016634	C20E-075302A11	1016580
	900 mm	C20S-090202A11	1016635	C20E-090302A11	1016585
	1,050 mm	C20S-105202A11	1016636	C20E-105302A11	1016590
	1,200 mm	C20S-120202A11	1016466	C20E-120302A11	1016465

- **Resolution:** 40 mm

Scanning range	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
6 m	150 mm	C20S-015104A11	1016565	C20E-015304A11	1016566
	300 mm	C20S-030104A11	1016570	C20E-030304A11	1016571
	450 mm	C20S-045104A11	1016456	C20E-045304A11	1016457
	600 mm	C20S-060104A11	1016576	C20E-060304A11	1016577
	750 mm	C20S-075104A11	1016581	C20E-075304A11	1016582
	900 mm	C20S-090104A11	1016586	C20E-090304A11	1016587
	1,350 mm	C20S-135104A12	1016603	C20E-135304A12	1016604
	1,500 mm	C20S-150104A12	1016608	C20E-150304A12	1016609
	1,650 mm	C20S-165104A12	1016613	C20E-165304A12	1016614
	1,800 mm	C20S-180104A12	1016618	C20E-180304A12	1016619
19 m	150 mm	C20S-015204A11	1016637	C20E-015304A11	1016566
	600 mm	C20S-060204A11	1016639	C20E-060304A11	1016577
	900 mm	C20S-090204A11	1016641	C20E-090304A11	1016587
	1,500 mm	C20S-150204A12	1016646	C20E-150304A12	1016609
	1,650 mm	C20S-165204A12	1016647	C20E-165304A12	1016614
	1,800 mm	C20S-180204A12	1016648	C20E-180304A12	1016619

- **Resolution:** 30 mm

Scanning range	Protective field height	Sender		Receiver	
		Type	Part no.	Type	Part no.
6 m	450 mm	C20S-045103A12	1016735	C20E-045303A12	1016736
	600 mm	C20S-060103A12	1019404	C20E-060303A12	1019405
	750 mm	C20S-075103A11	1016479	C20E-075303A11	1016480
	900 mm	C20S-090103A12	1016733	C20E-090303A12	1016734
	1,500 mm	C20S-150103A12	1016605	C20E-150303A12	1016606
	1,650 mm	C20S-165103A12	1016610	C20E-165303A12	1016611
	1,800 mm	C20S-180103A12	1016615	C20E-180303A12	1016616
19 m	750 mm	C20S-075203A11	1016583	C20E-075303A11	1016480
	1,500 mm	C20S-150203A12	1016607	C20E-150303A12	1016606
	1,650 mm	C20S-165203A12	1016612	C20E-165303A12	1016611
	1,800 mm	C20S-180203A12	1016617	C20E-180303A12	1016616

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