



C4000 Micro Cold Store

Cold Store safety light curtain – the alternative for arctic temperatures

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	14 mm / 30 mm (depending on type)
Scanning range	4 m / 4.5 m (depending on type)
Protective field height	600 mm ... 1,200 mm (depending on type)
Enclosure rating	IP67, IP66, IP65
Ambient operating temperature	-30 °C ... +55 °C



Product description

Rugged IP67 rated housing and an internal heating system make the C4000 Micro safety light curtain a cold store curtain that is able to withstand arctic operating temperatures. This safety light curtain provides a flexible, ergonomic, and process-oriented solution for hazardous point protection in applications at very low temperatures. This is why this type of safety light curtain offers a real alternative to established physical guards such as grids or fencing. Since these safety light curtains are made from stainless steel, PA, PMMA, and PVC, all popular cleaning agents can be used. In addition, a one-way valve not only ensures that the pressure is permanently balanced, but also prevents condensation from forming on the plastic tubes. Along with the device, the PVC cable provides a high enclosure rating and ensures safe and reliable cable routing.

At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Enclosure ratings IP 67, IP 66 and IP 65 with integrated heating (230 V AC)
- Ambient operating temperature down to -30 °C
- Protective field height up to 1200 mm
- Compact design in 50-mm acrylic tube
- Comprised of resistant materials: stainless steel end caps, PMMA tube, PVC connecting cable

Your benefits

- Reliable safety function, even at sub-zero temperatures
- Resistant housing materials improve production quality and cut costs in practical applications
- Productivity increases as personnel and service staff are able to access areas more quickly (light curtain replaces hard guards)
- Compact housing for easy system integration

Fields of application

- Hazardous point protection in cold stores
- Food and beverage industry
- Logistics

Ordering information

Other models and accessories → www.sick.com/C4000_Micro_Cold_Store

- **System connection:** PVC cable, 15 m

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Type	Part no.	Type	Part no.
14 mm	4 m	600 mm	C45S-S007	1041165	C45E-S007	1041166
30 mm	4.5 m	1,050 mm	C45S-S012	1045693	C45E-S012	1045694
		1,200 mm	C45S-S016	1048528	C45E-S016	1048529

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