



SENSOR PROTECTION / COOLING

The TPCC-H Protects Sensitive Sensors in Low-Temperature Environments down to to -40°F (-40°C)

Significantly increases the life-span of diodes for precise measurements



The TPCC-H – the heated version of the popular TPCC – protects temperature-sensitive sensors in cool industrial environments.

This innovative and award-winning case is ideal for protecting sensitive optical sensors, such as laser distance meters and optical data transfer systems, from low temperatures or extreme temperature fluctuations. The use of the TPCC-H considerably increases the diode life-span of optical measurement systems and guarantees precise measurements.

Protected by the TPCC-H, optical sensors can now be used in environments where low temperatures previously either prevented the use or significantly reduced the life-span of optical sensors. Compared to alternative approaches the TPCC-H is easy to install and inexpensive to operate.

The TPCC-H enables the reliable use of laser diodes, electronic components, optical data transfer systems and other temperature-sensitive sensors at temperatures of down to -40°F (-40°C), which occur, for example, in cold storage applications or medical and food production facilities.



Technical Specifications:

- >> Protective case for industrial use made of lightweight and robust material
- >> Protected to IP65 when mounted horizontally
- >> Easy integration into existing systems, no electrical installation required
- >> Easy installation and alignment of X/Y axes
- >> SKINTOP® CUBE cable feeds for easy installation and maintenance
- >> Suitable for most industrial applications
- >> Dimensions (W x H x D):
9.41 x 12 x 13.74 inches (239 x 305 x 349 mm)
- >> Weight: 7 kg (15.43 lbs)
- >> AC power: 200 W
- >> Power supply: 24V DC



TPCC-H Advantages at a Glance:

- >> Significantly increases the diode life-span of optical laser systems
- >> Guarantees precise measurements
- >> Optimum protection for sensitive sensors, up to -40°F (-40°C)
- >> The TPCC-CH version with combined cooling and heating provides optimum protection for sensitive sensors at an extended temperature range of -4°F to 167°F (-20°C to $+75^{\circ}\text{C}$)
- >> Compatible with sensor systems of most major brands
- >> Easy integration into existing measuring systems
- >> Efficient thermo protection. The installation of additional components is not required
- >> Dramatically reduces downtimes and repair costs



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The Sensor Protection Cases TPCC-H and the TPCC-CH are Suitable for a Wide Range of Applications

TPCC-H and TPCC-CH Sample Applications

Optical Data Transmission Systems	Optical Distance Meters	Scanners Barcode Readers	Cameras
ISD230 / ISD260 / ISD280	DME3000 / DME4000 / DME5000	CLV631 / CLV450	Basler Pilot
ISD300	DML, DMT	CLX490	MCLS 1
ISD400	DS500 / DT500	OLM100	
DDL5 78	LMS400	ICR620S	
DDL5 200	DL100Hi	BPS 8 / BPS 34 / BPS 37	
	Dx1000		
	VDM28 VDM70 VDM100		
	LLB30D-0001 / LLB60D		
	ODSL 30 / ODS 25 / ODSL 8		

And many more – Ready for use

TPCC-H Models*

TPCC® / DM

Suitable for optical distance meters, e. g., DME5000, DS500 / DT500, DL100Hi, Dx1000



TPCC-H / LMS400

Suitable for laser measurement system LMS400



TPCC-H / T / DM

Suitable for optical distance meters, e. g., DML, DMT



TPCC-H / OD

Suitable for optical data transfer systems, e. g., ISD230 / ISD260 / ISD280 / ISD300



TPCC-H / VDM

Suitable for optical distance meters, e. g., VDM100, VDM70, VDM28



Additional Applications

- >> Radio receiver
e. g., HBC radiomatic, FSE 516 / FSE 770
- >> Protection of batteries and more



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* This also applies to the cooling/heating protection case TPCC-CH. Custom enclosure modifications are available upon request.

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