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

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°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
SENSOR PROTECTION CASES

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

### 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

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

### Additional Applications

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

---

PSI Technics GmbH
support@psi-technics.com
www.psi-technics.com/E

PSI Technics – AUTOMATE. OPTIMIZE. INCREASE QUALITY. SAVE ENERGY.