



**Mounting systems  
Device protection (mechanical) / Cooling  
elements**

TPCC Cooling Case DS500/DT500



**Model Name** > [TPCC Cooling Case DS500/DT500](#)  
**Part No.** > [6036182](#)



#### At a glance

- Efficient protection for sensors at ambient temperatures between -20 °C and +80 °C
- Maintenance-free Peltier cooling with 24 V / 15 A
- Rugged glass-fiber reinforced plastic housing with front screen
- Thermostatic internal temperature control
- Temperature monitoring with automatic cut-off in the event of excess temperatures
- Adjustable bracket for easy mounting

#### Your benefits

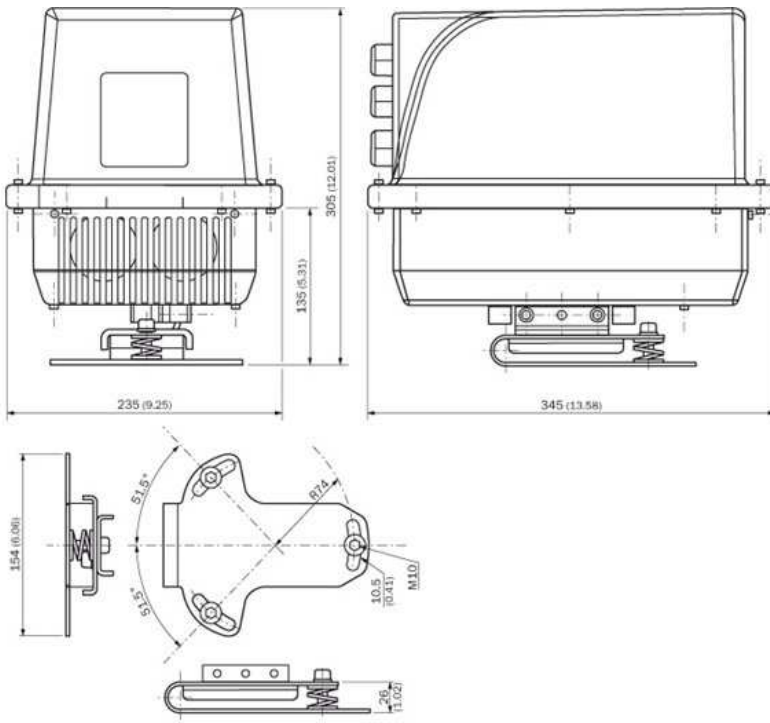
- Active sensor cooling through Peltier effect extends the operational lifetime by 15% at 25 °C ambient temperature and up to 400% at 45 °C. Less frequent sensor exchange significantly reduces operational costs.
- Increased sensor reliability reduces unexpected failure and associated system downtime. This effectively lowers costs associated with system breakdowns and increases productivity.
- Consistent internal temperatures guarantee high accuracy of the measured values for precise measurement results.
- Electric Peltier cooling is maintenance-free and only requires a 24 V connection instead of complex water or air system

#### Technical data

---

|                                |   |
|--------------------------------|---|
| Accessory group:               | Device protection (mechanical)  |
| Accessory family:              | Cooling elements  |
| Description:                   | Thermo protection cooling case, peltier cooling unit, fiber glass housing |
| Weight:                        | 7.5 kg  |
| Operating voltage:             | 24 V DC   |
| Power consumption:             | 15 A  |
| Enclosure rating:              | IP 54   |
| Ambient operating temperature: | -40 °C ... +75 °C   |
| Storage temperature:           | -40 °C ... +75 °C   |

Dimensional drawing



**Australia**

Phone +61 3 9457 0600  
1800 33 48 02 – tollfree  
E-Mail sales@sick.com.au

**Belgium/Luxembourg**

Phone +32 (0)2 466 55 66  
E-Mail info@sick.be

**Brasil**

Phone +55 11 3215-4900  
E-Mail marketing@sick.com.br

**Canada**

Phone +1 905 771 14 44  
E-Mail information@sick.com

**Česká republika**

Phone +420 2 57 91 18 50  
E-Mail sick@sick.cz

**China**

Phone +86 4000 121 000  
E-Mail info.china@sick.net.cn  
Phone +852-2153 6300  
E-Mail ghk@sick.com.hk

**Danmark**

Phone +45 45 82 64 00  
E-Mail sick@sick.dk

**Deutschland**

Phone +49 211 5301-301  
E-Mail info@sick.de

**España**

Phone +34 93 480 31 00  
E-Mail info@sick.es

**France**

Phone +33 1 64 62 35 00  
E-Mail info@sick.fr

**Great Britain**

Phone +44 (0)1727 831121  
E-Mail info@sick.co.uk

**India**

Phone +91-22-4033 8333  
E-Mail info@sick-india.com

**Israel**

Phone +972-4-6881000  
E-Mail info@sick-sensors.com

**Italia**

Phone +39 02 27 43 41  
E-Mail info@sick.it

**Japan**

Phone +81 (0)3 5309 2112  
E-Mail support@sick.jp

**Magyarország**

Phone +36 1 371 2680  
E-Mail office@sick.hu

**Nederland**

Phone +31 (0)30 229 25 44  
E-Mail info@sick.nl

**Norge**

Phone +47 67 81 50 00  
E-Mail sick@sick.no

**Österreich**

Phone +43 (0)22 36 62 28 8-0  
E-Mail office@sick.at

**Polska**

Phone +48 22 837 40 50  
E-Mail info@sick.pl

**România**

Phone +40 356 171 120  
E-Mail office@sick.ro

**Russia**

Phone +7-495-775-05-30  
E-Mail info@sick.ru

**Schweiz**

Phone +41 41 619 29 39  
E-Mail contact@sick.ch

**Singapore**

Phone +65 6744 3732  
E-Mail sales.gsg@sick.com

**Slovenija**

Phone +386 (0)1-47 69 990  
E-Mail office@sick.si

**South Africa**

Phone +27 11 472 3733  
E-Mail info@sickautomation.co.za

**South Korea**

Phone +82 2 786 6321/4  
E-Mail info@sickkorea.net

**Suomi**

Phone +358-9-25 15 800  
E-Mail sick@sick.fi

**Sverige**

Phone +46 10 110 10 00  
E-Mail info@sick.se

**Taiwan**

Phone +886 2 2375-6288  
E-Mail sales@sick.com.tw

**Türkiye**

Phone +90 (216) 528 50 00  
E-Mail info@sick.com.tr

**United Arab Emirates**

Phone +971 (0) 4 88 65 878  
E-Mail info@sick.ae

**USA/México**

Phone +1(952) 941-6780  
1 (800) 325-7425 – tollfree  
E-Mail info@sickusa.com

More representatives and agencies  
at [www.sick.com](http://www.sick.com)