TDL Freight Guard | TDL140

Real-time quality tracking throughout your supply chain

PART NO | 0 273 600 043 001

Transport Data Logger Freight Guard (TDL140), is the solution for bringing transparency into the whole supply chain. To prevent concealed damages or misdirected shipments, internal sensors enable a 24/7 condition monitoring for critical shipments. TDL Freight Guard is your real time tool to track assets, shipments and goods in transit for creating customer trust with reliable information in every transportation mode. Reduce complexity with the Bosch TDL Freight Guard End to End solution and being actively informed about the shipment status.

MEASUREMENT PARAMETERS

Shock | Temperature | Location | Light

APPLICATION ADVANTAGES

▶ The easiest way to implement real-time conditions monitoring - Out of the box solution which includes global data plan, backend, mounting bracket and charger
▶ Real-time condition monitoring of your shipments and assets
▶ Integrated flight mode detection enables application for all transports modes

DEVICE SPECIFICATION

▶	Dimension (L x W x H)	168 mm x 38 mm x 40 mm
▶	Weight	216 g
▶	Power supply	rechargeable lithium battery, 5200mAh
▶	Battery life	300 days (1 report every 24 hours, +25°C)
		90 days (1 report every 6 hours, +25°C)
		30 days (1 report every 1 hour, +25°C)
▶	Measuring interval	1 hour ... 5 days (configurable for temperature)
▶	Data transmission interval	1 hour ... 5 days (configurable for temperature)
▶	Location/Tracking	GPS, GLONASS, A-GPS, cell location
▶	Flight mode	Automatic (except in pressure-resistant packaging)
▶	Certifications	CE, RoHS, REACH, FCC, DO-160

- ▶ Shock range   ± 24 g per axis
- ▶ Acceleration range   three-dimensional (event based)
- ▶ Light detection range   On/off (event based)

OPERATING CONDITIONS
- ▶ Operating temperature range   -20°C ... +60°C
- ▶ Storage temperature range   -40°C ... +60°C

ACCURACY
- ▶ Temperature   ± 1°C
- ▶ Shock / Acceleration   ± 20 %

COMMUNICATION
- ▶ Cellular communication   Penta Band GSM/GPRS/EDGE/UMTS/HSDPA/HSUPA
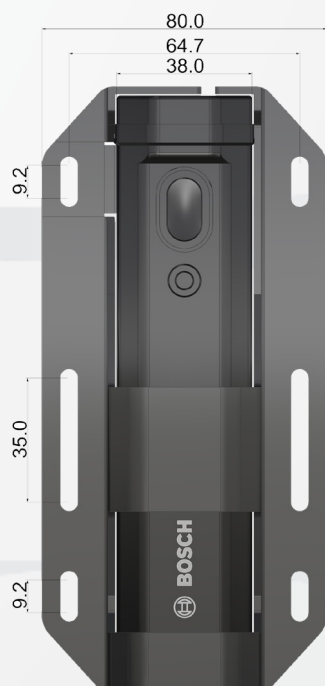
USER INTERFACE
- ▶ Backend   TDL Cloud - Web application which allows you to manage and monitor your devices
- ▶ Status LED   Indication of battery level, device and communication status

DELIVERY SCOPE
- ▶ Device & built-in battery
- ▶ Data plan for 12 months
- ▶ Mounting bracket
- ▶ AC charger (230V to USB Micro-B)
- ▶ Operating instructions
- ▶ TDL Cloud access

DIMENSIONS

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