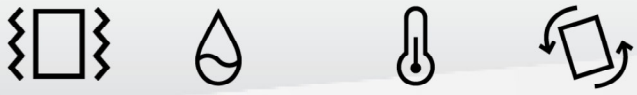
Transport Data Logger | TDL110

Transparency for your Supply Chain

PART NO | 0 273 600 024 001

By being attached to the shipment and measuring and recording relevant parameters like temperature, humidity, tilt, and shock, the TDL makes the delivery process of goods visible and traceable. These measurements are then documented and visualized through a mobile application. Since the limits of each parameter can be individually configured, any transgression of these limits is traceable and clearly assignable to the stations throughout the entire supply chain.

MEASUREMENT PARAMETERS



Shock Humidity Temperature Tilt

APPLICATION ADVANTAGES

- Creates transparency within the entire supply chain
- Simplified configuration and visualization via mobile application
- Battery with a long lifetime resulting in less handling effort

DEVICE SPECIFICATION

Dimension (L x W x H)	101,8 mm x 91 mm x 25 mm
Weight	100 g
Power supply	CR 123A Lithium Battery, 1400 mAh
Battery lifetime	2 Years (10 min. measuring cycle, +25 °C)
Enclosure protection class	IP 54
Electrical protection class	III
Measuring interval	1 min ... 4 hours (selectable)
Memory capacity	2 Years (15 min. measuring cycle, typical usage)
Certification	CE, FCC, IC, SRRC, MIC, SIRIM, IMDA, ACMA, NTC, NBTC | further on request

OPERATING CONDITIONS

Operating temperature range	-25 °C ... +80 °C
Storage temperature range	0 °C ... +40 °C
Humidity range	0 % rH ... 100 % rH (non condensing)
Shock / Acceleration range	±8 g per axis ±13.8 g three-dimensional

ACCURACY

▶ Temperature	± 0.5 °C (0 °C ... +60 °C) ± 1 °C (-25 °C ... +80 °C)
▶ Humidity	± 5 % rH typical ± 10 % rH maximum (20 % rH ... 80 % rH at 25 °C)
▶ Shock / Acceleration	± 10 %

RESOLUTION

▶ Temperature	0.5 °C
▶ Humidity	1% rH
▶ Shock / Acceleration	0.1 g

COMMUNICATION

▶ Bluetooth Low Energy	
▶ Range	up to 40 m (dependent on external influences)

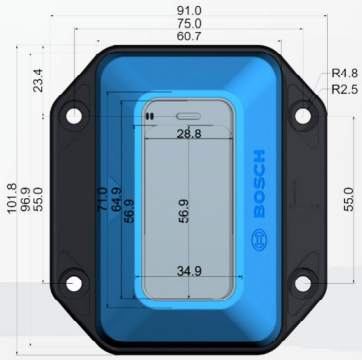
USER INTERFACE

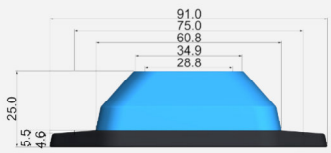
▶ App	free smartphone application for configuration and data analysis
▶ Status LED	indication of device status, battery level and communication

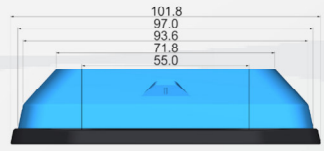
DELIVERY SCOPE

- ▶ Device & built-in battery
- ▶ Quick Start Guide
- ▶ Packaging unit consists of 10 devices

DIMENSIONAL DRAWING







INNOVATIV VERPACKEN · KONTROLLIERT TRANSPORTIEREN · WELTWEIT

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