TDL110 | Transport Data Logger

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 an outstandingly long lifetime resulting in less handling effort



DEVICE SPECIFICATION

▶ Dimension (L x W x H)

▶ Weight

Power supply

Battery lifetime

Enclosure protection class

► Electrical protection class

Measuring interval

Memory capacity

101,8 mm x 91 mm x 25 mm

100 g

CR 123A Lithium Battery, 1400 mAh

2 Years (10 min. measuring cycle, +25 °C)

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1 min ... 4 hours (selectable)

2 Years (15 min. measuring cycle, typical usage)

OPERATING CONDITIONS

Operating temperature range

Storage temperature range

► Humidity range

► Shock / Acceleration range

-25 °C ... +80 °C

0 °C ... +40 °C

0 % rH ... 100 % rH (non condensing)

±8 g per axis

±13.8 g three-dimensional

ACCURACY

+ 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)

(20 % fH ... 80 % fH 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

▶ Status LED

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

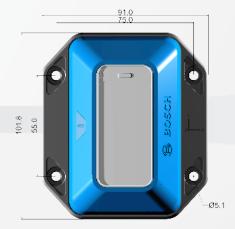
INCLUDED DELIVERIES

- ▶ Device & built-in battery
- Quick Start Guide

DELIVERY SCOPE

► Packaging unit consists of 10 devices

DIMENSIONAL DRAWING







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