



# Transport Data Logger | TDL110

*Transparency for your Supply Chain*

## PART NO | 0 273 600 024

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



Tilt



Shock



Temperature



Humidity



### SCOPE OF DELIVERY

- ▶ 10 devices including built-in battery
- ▶ Quick Start Guide

### OPERATING CONDITIONS

Reference	Range
Operating temperature range	-25 °C ... +80 °C
Storage temperature range	0 °C ... +30 °C
Humidity range	0 % rH ... 100 % rH (non condensing)
Shock / Acceleration range	±8 g per axis ±13.8 g three-dimensional

### TARGET MARKETS

European Union Countries: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK

And: AR, AU, BR, CA, CN, IL, JP, KR, MY, PH, SG, TH, TR, US, VN, ZA

Further on request

### ACCURACY, RESOLUTION

Reference	Accuracy	Resolution
Temperature	± 0.5 °C (0 °C ... +60 °C) / ± 1 °C (-25 °C ... +80 °C)	0.5 °C
Humidity	± 5 % rH typical / ± 10 % rH maximum (20 % rH ... 80 % rH at 25 °C)	1% rH
Shock / Acceleration	± 10 %	0.1 g



## DEVICE SPECIFICATION & MAIN COMPONENTS

Reference	Information
Weight	100g
Enclosure protection class	IP54
Electrical protection class	III
Measuring interval	1 min ... 4 hours (selectable)
Memory capacity	2 Years (15 min. measuring cycle, typical usage)
Power supply	Ex works: CR 17335 Lithium Battery, 1400 mAh; (compatible: CR 123A)
Battery lifetime	2 Years (15 min. measuring cycle, +25 °C, classic mode)

## COMMUNICATION INTERFACE

### Wireless

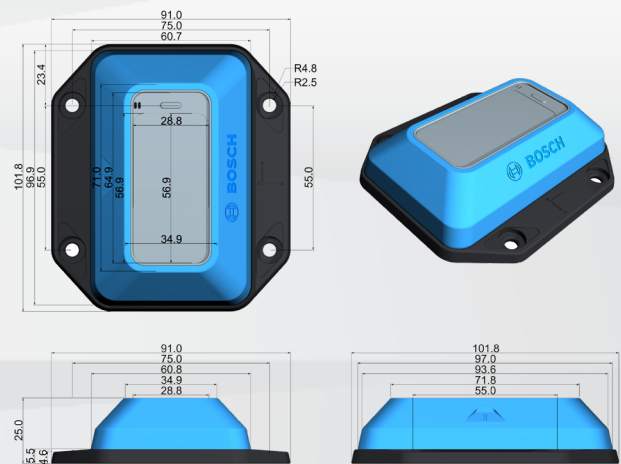
Bluetooth Low Energy

Range: up to 40 m (dependent on external influences)

## USER INTERFACE

LED: show device status, battery level, communication

Transport Data Logger App: free smartphone app for configuration / data analysis



**GET IN CONTACT WITH US!**

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