



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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, ISCED, SRRRC, 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 $\pm 0.5\text{ }^{\circ}\text{C}$ (0 °C ... +60 °C)
 $\pm 1\text{ }^{\circ}\text{C}$ (-25 °C ... +80 °C)
- ▶ Humidity $\pm 5\%$ rH typical
 $\pm 10\%$ rH maximum
(20 % rH ... 80 % rH at 25 °C)
- ▶ Shock / Acceleration $\pm 10\%$



BOSCH
Invented for life

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



GET IN CONTACT WITH US

E-MAIL

info@bosch-connectivity.com

VISIT OUR WEBSITE

www.bosch-connectivity.com



DOWNLOAD THE TDL APP, NOW!



App Store



Play Store