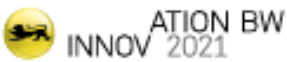LOGIMON
LOGISTICS MONITORING SOLUTIONS

# ASPiON ■ G-Log
Transport Data Loggers

**Reliably monitor shipments**

**Smart. Intelligent. Inexpensive.**

100% MADE IN GERMANY

100% IATA compliant

INNOVATION BW 2021

# LOGIMON
## LOGISTICS MONITORING SOLUTIONS

The global volume of transport is increasing rapidly and more and more transports are being carried out in ever shorter time. When handling goods, transport damage due to rough handling is very common.

So it's high time to create transparency with smart data loggers from ASPION – Made in Germany!

## ASPION G-Log: Minimized risks, maximum transparency

ASPION's smart shock data loggers are specialised in detecting and recording shocks and vibrations – a real plus in safety for the shipment of your goods:

- **Increases transparency and security throughout the supply chain**
- **Provides reliable evidence of shipping damage to customers, service providers and insurance companies**
- **Allows quick assignment of responsibilities in case of damage**
- **Avoids lengthy discussions with insurance companies and service providers**
- **Minimises the risk for your own company and avoids costs**

### 100% MADE IN GERMANY

Developed and manufactured in Germany.

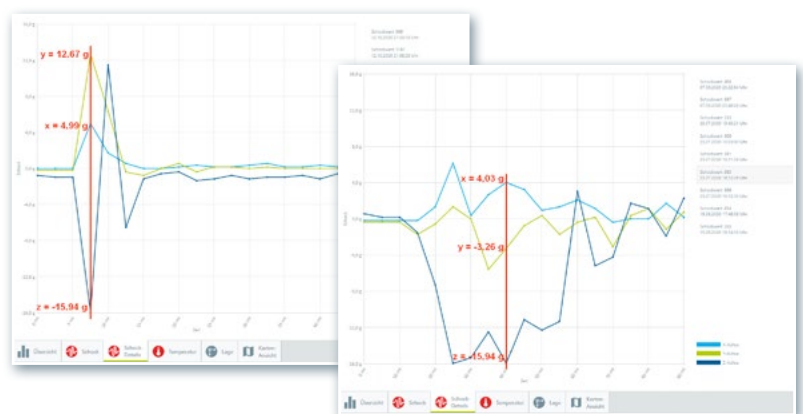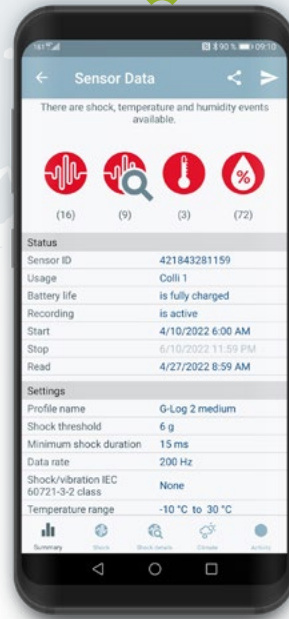## Sensors

## Communication

## Sustainability

- **Powerful sensor technology**

   ASPION shock data loggers are available in different variants with powerful **sensors for acceleration, temperature and humidity**. At the heart of the system is the integrated accelerometer, which logs **impacts on all three axes with direction information** – also with detail graph in milliseconds. The recording is event-driven: if the values are above or below a self-defined threshold, the data logger reliably records all events with date and time. The exact assignment to the stations of the entire supply chain is transparent and comprehensible – **even in the case of hidden damage**.

The course of a shock can be traced in milliseconds and per axis. As shown here in detail, the amount of acceleration per axis is not the only relevant factor, but also the duration of the shock. This allows serious damage to be detected.

# ASPiON ■ G-Log

## ■ Robust, durable, inexpensive

The data loggers' ABS plastic housing is **small, robust and discreet**. Optimally matched components and smart power management enable a battery life of up to two years, a long shelf life and resource-saving multiple usages. However, the data loggers are also suitable for single use – not least because of the **low purchase price**.
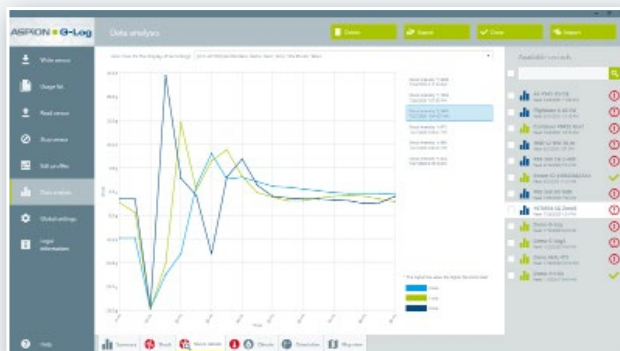
## ■ Easy installation, easy handling

The data loggers are **suitable for sea and air freight** and are ready for multimodal transport worldwide. They are easy to configure and mount, so even inexperienced personnel can easily put them into operation. Transferring the data is just as easy: **the data loggers communicate wirelessly via NFC as well as BLE**, the latter even through packaging.

## Unique: Shock/vibration testing against standards

The ASPION G-Log 2's shock/vibration test against transport standards is unique: here, the data logger compares any shocks and vibrations that occur against the selected standard and class. The result: the recorded data directly indicates whether the general conditions of the standard were met or exceeded during transport. This makes the testing of transport conditions for shocks/vibrations as simple as, for example, proving compliance with a cold chain.

The shock/vibration test for transport standards is unique: If the selected class is exceeded, this can be seen directly and in detail both in the PC software and in the app.

Transparent and clear data analysis with the free PC software and smartphone app.

## ASPiON ■ G-Log
### PREMIUM

## Extensive features: for highest demands

The solution provides numerous functions for small companies as well as globally operating corporations. These not only optimise the use, but also significantly expand the application and automate processes up to the integration or development of own applications:

- ■ Transmission of current location information when reading out the data loggers

- ■ Cross-location operation in the company network with shared data access

- ■ Automated transfer of evaluations via cloud transfer, hosted in a German, TÜV-certified data centre

- ■ Protected data through intelligent encryption mechanisms

- ■ Back-up and archive functions, Windows services

- ■ Developer kit for integration into third-party systems and own applications

- ■ IIoT ready: expandable with live tracking and alarm functions

## ■ Simplest operation and ergonomics at all levels

The data loggers **can be used intuitively and without training**. The user-friendly PC software and smartphone app enable convenient operation and comprehensive evaluations. An export function prepares the data clearly for forwarding. Extensive control functions such as start and stop timer as well as evaluation in time zones enable flexible use. Moreover, after purchasing the data loggers, there are no follow-up costs, both **the PC software and app are free of charge at all times!**

## ■ Wide range of applications

The data loggers are suitable for **monitoring the transport of all kinds of shock-sensitive goods**. In addition, they are used in **packaging development and optimisation**. They can also be used for impact detection in warehouses and on a wide variety of objects, as well as for monitoring climatic conditions in many industries. **Genuine all-rounders**.

Download the
app to your
smartphone.

ASPiON

## G-Log users

Whether medium-sized or large companies: our **500-plus customers include well-known companies of all sizes from numerous sectors**, including mechanical and plant engineering, medical and measuring technology, the automotive supplier and electronics industry, energy industry, logistics and packaging. Our customers deliver their goods worldwide, mostly via multimodal transport, always safely accompanied by ASPION G-Log data loggers. They are not only well-prepared in case of emergency when it comes to transparency and information in the event of damage, but also receive insightful details when testing packaging and unusual events in the course of transport.

## About Aspion

We are a German company based in the Karlsruhe technology region. Since 2011, we develop and market smart, energy-optimised data loggers and sensor systems with wireless communication and maximum ease of use. The focus of our product development is on monitoring, risk protection and process automation for valuable industrial goods in global delivery traffic.

INNOVATION BW 2021

Software
Bundesverband
IT-Mittelstand
Made in Germany
100%
Service
Qualität
Zukunft

Receiving the **Innovation Award 2021** from the state of Baden-Württemberg for the ASPION overall system and multiple awards of the **"Software Made in Germany" seal of quality** from the Bundesverband IT Mittelstand e.V. for **"user-friendliness, flexibility and a well thought-out, smart design"** makes us proud. At the same time, it is our incentive to guarantee constant, innovative development of our products with convincing practicality for our customers. We are supported in this by a network of renowned partner companies, who are always available to assist our users with advice and support.

> The shock sensors have proven their worth from the very beginning, and they serve us very well when it comes to claiming damages against the insurance or the customer.

**Rolf Geiger**
Head of Export & Shipping
Uhlmann Pac-Systeme GmbH & Co. KG

Uhlmann

> For us, it is more than important to know exactly when a critical event took place. Both the measurement data from our laboratory and the price for the G-Log sensor quickly convinced us.

**Manuel Hollet**
Logistics Manager
Trench Germany GmbH

TRENCH

## ASPION data loggers overview

| Characteristic features | ASPION ■ G-Log | ASPION ■ G-Log 2 |
|---|:---:|:---:|
| Acceleration sensor for shock | ✓ | ✓ |
| Temperature sensor | ✓ | ✓ |
| Humidity sensor (relative humidity) | – | ✓ |
| Ring buffer for events (shock, climate values) | 286 | 950 |
| Shock events with detailed course (9 shocks) | ✓ | ✓ |
| Shock/vibration testing in accordance with IEC 60721-3-2 | – | ✓ |
| Wireless data transfer with NFC (Near Field Communication) | ✓ | ✓ |
| Wireless data transfer with BLE (Bluetooth Low Energy) | – | ✓ |
| ABS housing with protection class | IP 50 | IP 50 |
| Battery (CR 2032, lifetime up to 1.5 years) | Replaceable by manufacturer | Replaceable by user |

## Both the G-Log and G-Log 2 are also available in an IP66/67 Waterproof  version!

All ASPION data loggers can be used in combination. The data loggers are operated together via the free ASPION  PC software and the smartphone app. Languages: English, German, Italian, Chinese.

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**LOGIMON**
LOGISTICS MONITORING SOLUTIONS