

## Monitoring convergence measurement







**With the Extenso DELTA L+ pack, you can turn your sensor into a convergence meter.**

The DELTA L+ extenso pack allows you to take accurate displacement measurements over long distances.



**Compact & Durable**

Polycarbonate / IP66



**Precise**

0,01 mm / 1°C  
Course 25 mm



**Plug & Play**

Easy to use and install



**Autonom**

Battery 3,6 V - 2,6 Ah



**Connected**

LPWAN or  
Bluetooth network

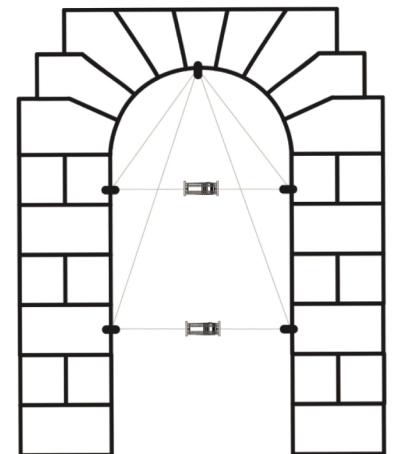
**See the features of the DELTA L+**

## When should convergence measurement be used?

### The different contexts

The convergence measure applies to various contexts, such as:

- Monitoring the evolution of an arch
- Measuring the behaviour of vertical walls
- Monitoring the deflection of a floor
- Monitoring cracking or movement between two walls of a tunnel
- Monitoring a structure or building during construction work
- Short-, medium- or long-term preventive maintenance/servicing
- During demolition work



The Extenso DELTA L+ pack allows you to transform your sensor into a convergence meter.

The DELTA L+ extenso pack allows you to take accurate displacement measurements over long distances.

The Extenso pack consists of a metal cradle and springs to ensure continuous and optimal tension of the INVAR wire.

The patented design and system of the DELTA L+ sensor with its Extenso pack make it easy to install.

The Extenso pack consists of a metal cradle and springs to ensure continuous and optimal tension of the INVAR wire.

Composed of 64% iron and 36% nickel, this guarantees low expansion and contraction movement in relation to temperature.

The aim is to ensure the highest accuracy in measuring movements between two points 0 to 20 metres apart.

Finally, once activated, the LINKFEEL service automatically transmits data to the secure FEELBAT cloud via the LPWAN radio network, combining low power consumption, long range and reliable communication.

**\*\* If you need more INVAR wire, please contact us! \*\***

## SIMPLE AND EASY TO INSTALL

### 01 Suitable for all types of materials



Hollow support



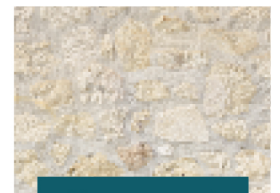
Brick support



Metal support

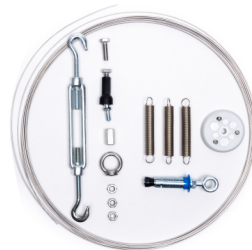
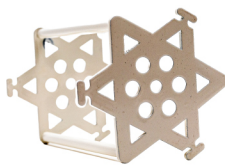


Wooden support



Stone support

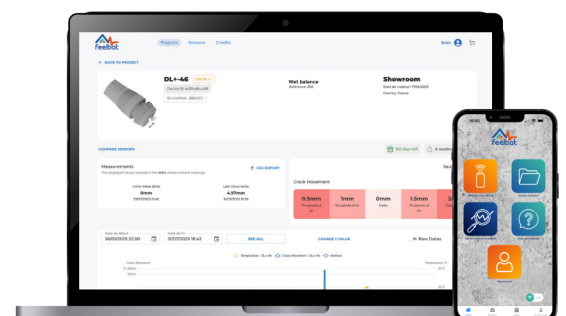
### 02 The Extenso Pack fasteners



### 03 View your data in real time and remotely

Install your sensors, configure them, and monitor your structures in real time wherever you are. Receive alerts if a predefined threshold is exceeded, for effective prevention and optimal security.

**Edit PDF reports in just a few clicks!**



# Our other products



## DELTA L Expert Pack

The DELTA L Expert is a comprehensive crack meter that allows you to **monitor cracks on three axes** with high precision. The gauges can be fixed with a hammer-in plug or two-component adhesive. Simply take your measurements and enter them into the app for regular monitoring.

**Opening - Shearing - Misalignment**



## DELTA L+

The DELTA L+ is a **connected electronic sensor** that allows you to **monitor a crack** with high precision and autonomy.

It allows you to monitor crack movements nearby or remotely, as well as the outside temperature, from your smartphone.

**Opening - Shearing - Angle measurement - Misalignment**



## DELTA R

The DELTA R is a connected dual-axis tilt sensor that allows you to **monitor the tilt movement of walls or structures** with high precision and autonomy.

It allows you to monitor tilt movements on both axes as well as the external temperature from your smartphone.

**Two measurement axes: Y - X**



## DELTA L+ mini

The DELTA L+ MINI provides autonomous and accurate crack monitoring, while assessing the impact of solar exposure on the cracked substrate.

It can be installed in seconds using adhesive, without drilling.

**The smallest connected crack sensor in the world!**



## DELTA X-Hs

The DELTA X-Hs is a connected sensor equipped with an electronic probe for **measuring soil moisture with high accuracy and autonomy**.

The probe, which is buried at the foot of structures, provides relevant data for effective diagnostics in the field of clay shrinkage and swelling.

**The most functional choice for the RGA**



## DELTA X-P

The X-P sensor, a piezometric sensor, allows automatic monitoring of the groundwater level.

The piezometric probe is equipped with a reinforced cable with waterproof connectors and an atmospheric correction system.

**X m reinforced cable (several cable lengths available)**





**If you crack...  
you FEELBAT**

## Contact us



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