



DELTA R

Monitoring of tilt movements





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

It gives you the ability to monitor tilt movements on both axes, as well as the outside temperature, directly from your smartphone.



Compact & Durable
Polycarbonate / IP66



Precise
0,01° angle / 1° T°



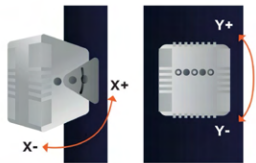
Plug & Play
Easy to use and install



Autonom
Battery 3,6 V - 17 Ah



Connected
LPWAN or
Bluetooth network



BI-AXIS sensor



Features

Battery 3,6 V - 17 Ah - Autonomy 1 to 7 years*	Weight 350 g	Dimensions 8x8 cm / Ep 5 cm
Resolution 0,01° (angles) - 1° (T°)	Connection Bluetooth & Radio LPWAN	Protection IP66
Accuracy 0,005° (angles) - 0,5° (T°)	Measure spacing from 10 min to 24 hours	2 attachment modes
Internal memory for 250,000 measurements	Operating temperature -25C° à +70C°	Measurement range (+/-) 10° degrés

*depending on frequency, sensor exposure and data transfer mode (Bluetooth, LPWAN, etc.).

The DELTA R sensor allows for highly accurate monitoring of a structure's tilt movements on two axes (X and Y) in an autonomous and automatic manner.

It detects angle variations as small as 0.005°, offering a high level of sensitivity for detailed movement analysis.

Its patented design facilitates installation in the field thanks to mounting points integrated into a metal base, allowing for a wide range of movement.

The polycarbonate shell provides effective protection against impacts, while the measuring body ensures the device remains watertight, durable and stable over time.

The DELTA R sensor is designed to be accessible to all professionals and can be easily configured via the Feelbat mobile app or the Feel Monitoring web portal. Real-time tilt monitoring is accessible on both smartphones and computers, allowing for quick and easy consultation regardless of the environment.

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.

SIMPLE AND EASY TO INSTALL

01 Suitable for all types of materials



Hollow support



Brick support



Metal support



Wooden support



Stone support

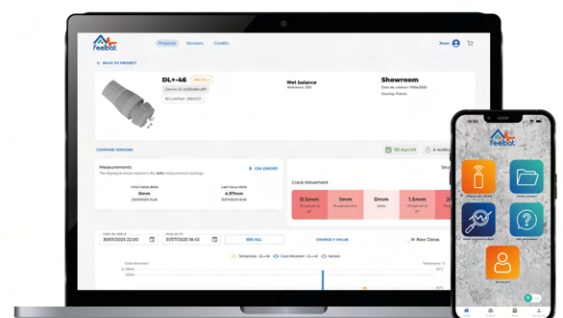
02 The different application cases



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



Pack DELTA L+ extenso

The Extenso pack allows you to measure and monitor movements and displacements in structures such as tunnels, bridges, or buildings. **It enables you to assess the stability and integrity of the structure by detecting changes in convergence**, thereby helping you to take preventive measures.

10 ML fil INVAR or 20 ML fil INVAR



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 ml reinforced cable (several cable lengths available)



If you crack...
you FEELBAT

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