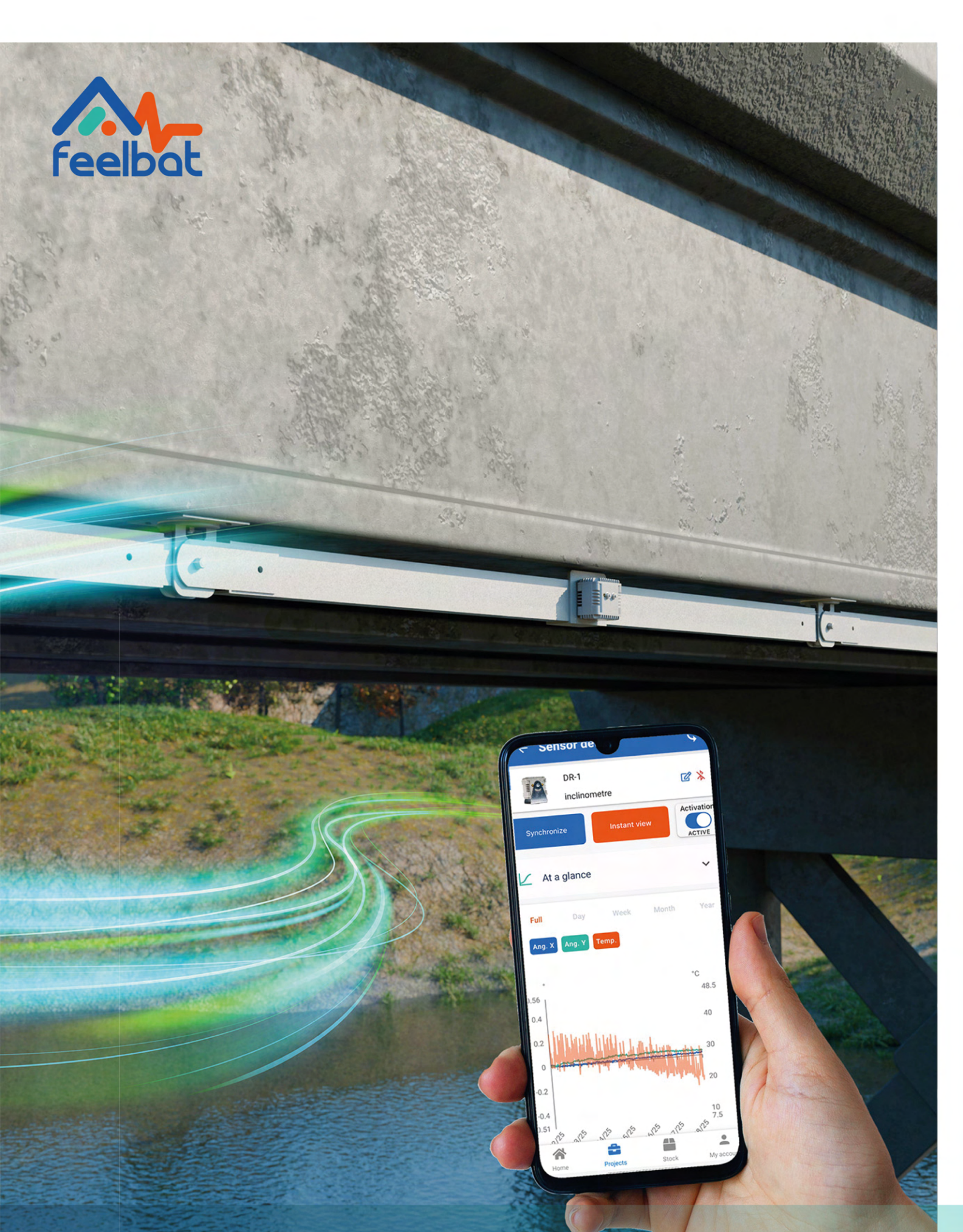




INCLINOMETER LINE

Deformation monitoring





The inclinometer line allows you to monitor overall structural deformations and millimetre-level movements over large spans.

Each aluminium segment is mounted on dual-axis articulated supports, ensuring freedom of movement to follow all variations in the structure.



Compact & Durable
Polycarbonate / IP66



Precise
Angular resolution.
0,01°



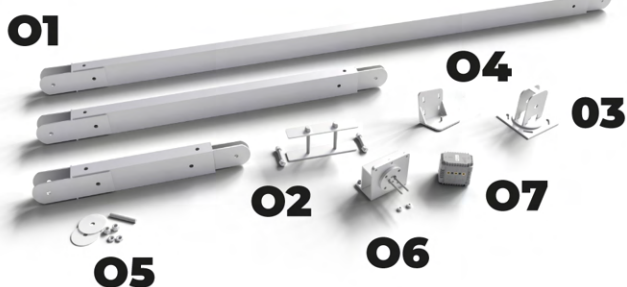
Plug & Play
Easy to use and install



Autonom
Battery 3,6 V - 17 Ah



Connected
LPWAN or
Bluetooth network



01
Segments

02
Segment connector

03
Inter-segment articulation
(under-surface mounting)

04
Joint bracket
(side mounting)

05
Teflon discs

06
DELTA R hook

07
DELTA R

Features

Battery 3,6 V - 17 Ah - Autonomy 1 to 7 years*	Aluminium frame	Measurement range (+/-) 30° (+/- 10°)
Angular resolution 0,01°	Connection Bluetooth & Radio LPWAN	Protection IP66
Angular accuracy 0,005°	Single or daisy-chained wall installation	Mounting on articulated bracket
Internal memory for 250,000 measurements	Operating temperature -25C° to +70C°	Seg modular assembly from 0.5 to 2 m

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

The use of inclinometer data allows for accurate analysis of angular deformations in structures.

It is installed over several metres and detects gradual or sudden variations linked to differential ground movements or internal structural disorders.

Thanks to its rigid segments, ranging from **0.5 to 2 meters**, and joints fitted with pre-drilled plates, the inclinometer line ensures quick installation and a secure connection to the structure. The high precision of the bi-axial **DELTA R sensors** (0.01°) guarantees reliable measurement of deformations and inclinations, while ensuring the system's durability and efficiency.

The device was designed to provide all professionals with a tool for continuously monitoring deformations in concrete segments and columns.

Segmented analysis makes it possible to precisely locate critical areas and anticipate structural changes using the Feelbat app and the Feel Monitoring web portal.

The inclination measurements on both axes are directly accessible via the mobile app or the FEEL MONITORING portal, offering optimised visualisation and real-time monitoring.

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

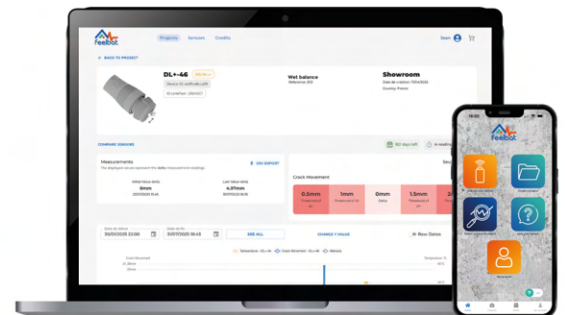
01 Installation of the inclinometer line



02 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 X-L 100

The DELTA X-L100 is a connected electronic potentiometric sensor designed specifically to accurately monitor large-amplitude crack movements. It offers a displacement range of 0 to 100 mm. Equipped with a displacement sensor, it features special ball joints for easy attachment at the ends.

Large amplitude crack sensor

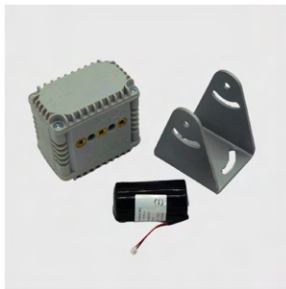


DELTA L+

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!



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 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



If you crack...
you FEELBAT

Contact us

 contact@feelbat.fr

 +33 4 123 800 90

 www.feelbat.fr


contact@feelbat.fr
04 123 800 90


4 rue Louis Breguet
JACOU 34830 FRANCE
Headquarter 20 rue Maxime Riviere
97490 SAINT-DENIS


www.feelbat.fr
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