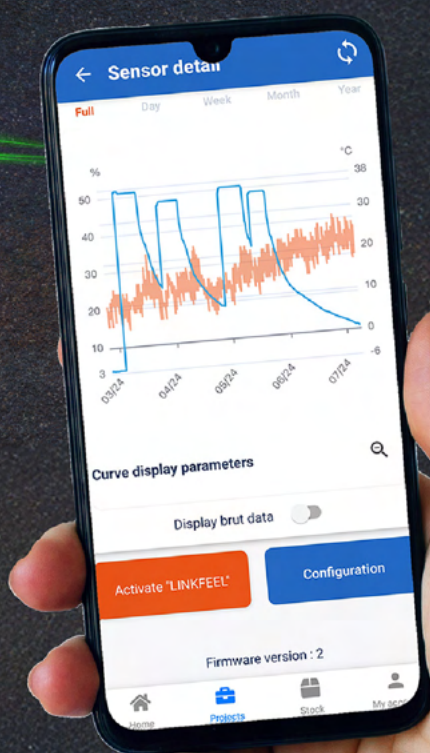




DELTA X-H

Measuring and monitoring of humidity





The DELTA X-H is a connected sensor equipped with an electronic probe.

This set allows to measure the variation of soil moisture, with high precision and autonomously.

The probe to be buried at the foot of the structures, offers relevant data for effective diagnostics in the field of RCA (removal Swelling of clays).



Compact & Resistant

Polycarbonate / IP66



Accurate

Range from 0 to 60%



Plug & Play

Easy to use
and to install



Autonomous

Battery 3,6 V - 17 Ah



Connected

LPWAN
or Bluetooth



01

Transmission line closed

02

Sensor blade

03

Sensor head with closed PCB

04

Male connector for
DELTA X

Features

Pile 3,6 V - 17 Ah - Autonomy 1 to 7 years*	Weight 350g	Dimensions 8x8 cm / Ep 5 cm
Resolution 0,001° (angles) - 0,1° (T°)	Connection Bluetooth & Radio LPWAN	Protection IP66
Precision 0,005° (angles) et 0,5° (T°)	Measurement spacing from 10 mins to 24h	2 modes of attachment
Internal memory 250 000 measures	T° operating -25C° - +70C°	Ranges of measurements +/- 10° degrés

*depending on the frequency, sensor exposure and data transfer mode (bluetooth, LPWAN, ...).

The X-H sensor makes it easy to monitor the soil moisture variation autonomously and automatically.

Its IP66 certified case ensures you to withstand all weather, the shell in polycarbonate ensures good impact resistance, good tightness, durability and precision of the system.

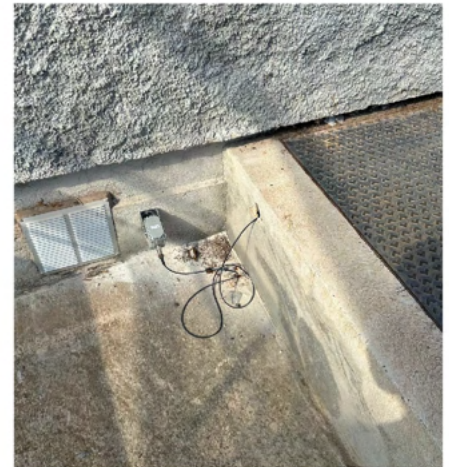
Integrated into the sensor and once activated, the LINKFEEL service allows the transmission of sensor data to the secure cloud FEELBAT through the LPWAN radio network (low-speed, low-power, long range).

By combining the DELTA X-H with data from a fissurometer, the diagnosis is enriched, allowing to quickly correlate the swelling of the clays with the cracks observed but also the backfilling of a retaining wall whose soil is dripping with water. This enhances the effectiveness of the diagnosis, providing a more in-depth view of soil evolution and its impacts on cracks or structural movements.

The DELTA X-H sensor has been designed to make a professional tool accessible to all by facilitating the installation, setting and monitoring of soil moisture variations through the Feelbat application or the Feel Monitoring web portal.

SIMPLE AND EASY TO INSTALL

01 The different application cases

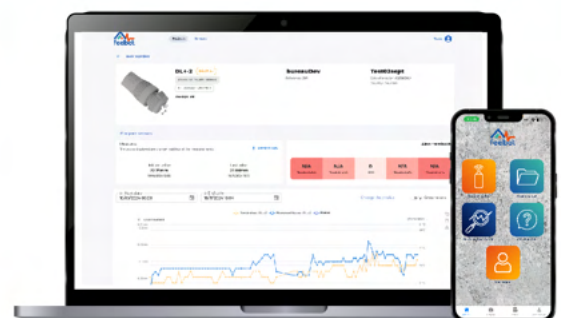


02 View your data in real time and remotely

Put your sensors, set them up and follow your structures in real time wherever you are.

Receive alerts if a predefined threshold is exceeded for effective prevention and increased security.

Edit PDF reports in a few clicks !



Our other products



Pack Expert DELTA L

The DELTA L Expert is a complete crack meter that allows you **to track your cracks on 3 axes** with great precision. Gauges can be fixed with a dowel or bi-component glue.

Simply take your measurements and report them in the app for regular monitoring.

Opening - Shearing - Offset



DELTA L+

The DELTA L+ is a **connected electronic sensor that can track a crack** with high precision and autonomously.

It allows you to track the movements of the crack near or far as well as the outside temperature, all from your smartphone.

Aperture - Shear - Angle measurement - Offset



DELTA R

The DELTA R is a **connected bi-axis tilt sensor** that can follow the inclination movement of walls or structures with high precision and autonomously.

It offers you the possibility **to track the tilting movements** on both axes as well as the outside temperature, all from your smartphone.

Two measurement axes: Y - X



DELTA L+ mini

Precise and autonomous monitoring of cracks, as well as assessment of the impact of sun exposure of the cracked substrate.

With a longer autonomy, and can be fixed by sticking ehnl less than 3 seconds thanks to a patented device.

It is the smallest connected crack sensor in the world!



Pack DELTA L+ en extenso

Measure and monitor movement and displacement in structures, such as tunnels, bridges or buildings.

It allows to assess the stability and integrity of the structure by detecting changes in convergence, thus helping you to take preventive measures if necessary.

10 ML fil INVAR or 20 ML fil INVAR



DELTA X-P

The X-P sensor is **delivered with a piezometric submerged level probe to monitor the evolution of the groundwater level**.

The probe body is passivated stainless steel 316L, the reinforced cable of 5ML has a waterproof connector, also equipped with an atmospheric stabilization sensor.

Reinforced cable X ml (several lengths of cable available)



**If you crack
you FEELBAT**


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