

DELTA L +
Monitoring of crack evolution



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

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



Compact & Resistant

Polycarbonate / IP66



Accurate

0,01 mm / 1°C
Course 25 mm



Plug & Play

Easy to use
and to install



Autonomous

Battery 3,6 V - 2,6 Ah



Connected

in a LPWAN network
or Bluetooth



Opening



Shear



Angle measurement



Mismatch

Features

Battery 3,6 V - 2,6 Ah - Battery life 1 to 4 years *	Weight 250 g	Dimensions 13 cm x 5,5 cm
Resolution 5 µm - 0,5°C (+ ou -)	Connection Bluetooth & Radio LPWAN	Protection IP66
Precision 0.01 mm - 1°C	Measurement spacing from 10 min to 24 h	2 modes of attachment
Internal memory de 250 000 mesures	T° of operation -25°C - +70°C	Range of measurements 0 to 25 mm (+ ou - 1 mm)

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

The DELTA L+ sensor allows to follow a crack with high precision (100th of millimetre). Integrated into the sensor and once activated, the LINKFEEL service allows the transmission of sensor data to the secure FEELBAT cloud through the LPWAN radio network (low-speed, low-consumption, long range).

The design, system and patented design of the DELTA L+ sensor makes it easy to install in two points. Thanks to the joints at each end, the tool accepts a large freedom of movement.

The polycarbonate shell ensures good resistance to impact and weather while the fiberglass polycarbonate measuring body ensures good sealing, durability and precision of the system.

The DELTA L+ sensor has been designed to make a professional tool accessible to all by **facilitating the installation, setting and tracking of cracks through the Feelbat application or the Feel Monitoring web portal.**

The strength of the DELTA L+ sensor is to group in a single box a potentiometric sensor, a miniaturized electronic board, an antenna and a battery.

The design of the sensor reduces the impact of expansion on measurement, making the device discreet and protected from any external physical attacks (excluding vandalism).

The design of the case has made it possible to offer an essential service in the face of external actions that lead to change intentionally or not, the measurement of the sensor (stone throw, a balloon, a blow or manual maneuver not desired).

SIMPLE AND EASY TO INSTALL

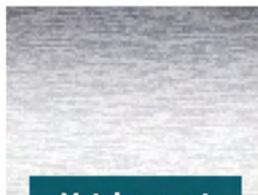
01 Suitable for all types of materials



Hollow support



Brick support



Metal support



Wood support



Stone support

02 The types of attachment



On a hollow support



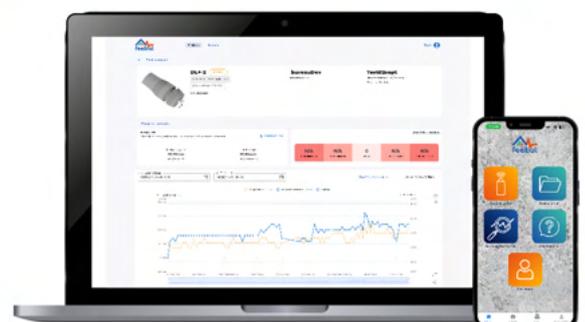
On a full support

03 View your data in real time and remotely

Put your sensors, set them up and track 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 all 3 axes** with great precision. The 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 - Unflush



DELTA R

The DELTA R is a connected bi-axis tilt sensor that tracks the tilt 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



Pack DELTA L+ en extenso

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

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

10 ML fil INVAR or 20 ML fil INVAR

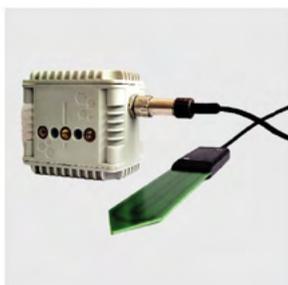


DELTA L+ mini

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 ehn less than 3 seconds thanks to a patented device.

It is the world's smallest connected crack sensor!



DELTA X-H

The DELTA X-H is a connected sensor equipped with an electronic probe **to measure 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 RGA (removal Swelling of clays).

Soil humidity sensor



DELTA X-P

The X-P sensor **comes 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 of X ml (several lengths of cable available)



If you crack you **FEELBAT**



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