



DELTA X-L 100
Displacement sensor: Crack meter





The DELTA X-L100 is a connected electronic sensor designed specifically to accurately track crack movements.

It offers a range of movement from 0 to 100mm. With a displacement sensor, it is equipped with specific ball joints for easy attachment superfluous ends.



Compact & Resistant
IP65



Accurate
0,01 mm / 1°C
Stroke from 0 mm to 100 mm



Plug & Play
Easy to use
and to install



Autonomous
Battery 3,6 V - 2,6 Ah



Connected
in a LPWAN network
or Bluetooth

Features

Pile 3,6 V - 17 Ah - Autonomy 1 to 7 years*	Protection IP65	Number of movements 100 million
Precision 0.01 mm - 1°C	Connection Bluetooth & Radio LPWAN	Size fissurometer 175 mm
Precision 5 µm - 0,5° (+ ou -)	Output signal Potentiometer sensor L100	Attachment point Ball joint on both sides
Internal memory 250 000 measures	T° of operation -25° + 70°	Range of measurements 0 to 100 mm

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

The DELTA X-L100 is the ideal tool for crack monitoring with high accuracy, providing a reliable and stand-alone solution for managing and tracking crack movements.

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

The patented design of the DELTA X-L100 ensures simple two-point installation, thanks to specific ball joints for secure attachment.

The DELTA X housing, whose polycarbonate shell is resistant to shocks and weather, allows temperature measurement, storage and automatic data transmission.

The tool offers great freedom of movement. Its polycarbonate shell ensures excellent impact resistance, perfect sealing, as well as high durability and system accuracy.

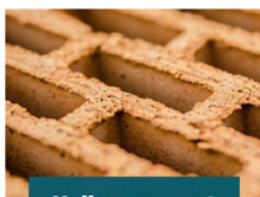
The motion sensor is made of aluminum and stainless steel for durability.

The reinforced cable of 3ML has a waterproof connection.

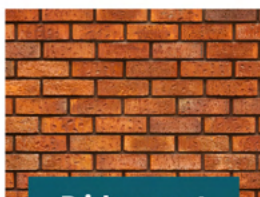
The DELTA XL100 sensor has been designed to make a professional tool accessible to everyone by simplifying installation, adjustment, and crack monitoring via the Feelbat application or the Feel Monitoring web portal.

SIMPLE AND EASY TO INSTALL

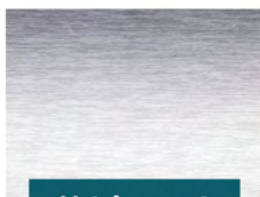
01 Suitable for all types of materials



Hollow support



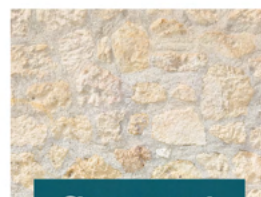
Brick support



Metal support



Wood support



Stone support

02 The different application cases

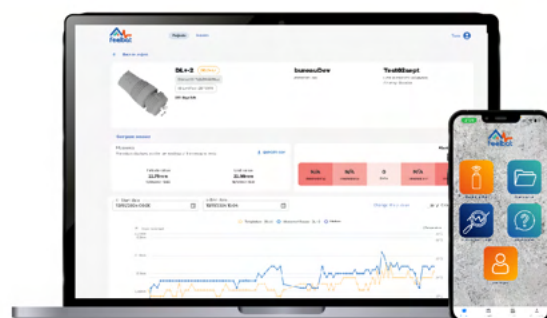


03 View your data in real time and remotely

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



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



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 to take preventive measures if necessary.

10 ML fil INVAR or 20 ML fil INVAR



DELTA R

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

It offers 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.

It is the smallest connected crack sensor in the world!

With a longer autonomy, and this gluing with a patented device.

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 moisture sensor



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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