

DELTA X-Hm
Monitoring of wall moisture variation





The DELTA X-Hm sensor is equipped with a measurement probe that allows monitoring the evolution of moisture within materials. Values are expressed as a percentage (0–100%).



Compact & Résistant



Accurate

Measurement range
0 to 100%



Plug & Play

Easy to use and install



Autonomous

3.6 V battery –
1 to 7 years*



Connected

LPWAN network
4G
or Bluetooth

Features

Battery 3,6 V - 17 Ah - Battery life 1 to 7 years*	Enclosure protection IP66	Operating temperature -25 °C to +70 °C
Resolution 1 %	Bluetooth & LPWAN Radio connection	Measurement range 0 to 60% vwc <small>(upper limit depending on soil)</small>
Accuracy 3% up to 50 vwc** <small>** (Volumetric Water Content)</small>	Measurement interval from 10 min to 24 h	External temperature measurement
Internal memory 250 000 measurements	Probe cable length 10 m	Probe 18.2 cm x 3 cm x 1.2 cm

*depending on measurement interval, sensor exposure, and data transfer mode (Bluetooth, LPWAN...)

The DELTA X-Hm sensor enables precise monitoring of moisture in materials with full autonomy. It provides a simple and effective tool to anticipate risks related to infiltration, flooding, and wall drying.

Its compact and robust IP65-rated enclosure effectively protects against dust and water splashes, ensuring optimal resistance in the field. Its watertight metal probe, specifically designed for long-term use, guarantees reliable and durable measurements even in the most demanding environments.

The DELTA X-Hm can be combined with other sensors from the FEELBAT range. It significantly enhances analysis by correlating hygrometric data with observed structural movements or deformations. This global approach improves diagnostic accuracy and facilitates the identification of correlations between moisture, building pathologies, and observed deterioration.

Designed to be accessible to everyone, it is easily configured via the Feelbat mobile application or the Feel Monitoring web portal,

providing clear and immediate monitoring of moisture evolution within materials.

Finally, once activated, the LINKFEEL service enables the automatic transmission of sensor data to the secure FEELBAT cloud via the LPWAN radio network, combining low power consumption, long range, and reliable data transmission.

01 Simple and easy to install

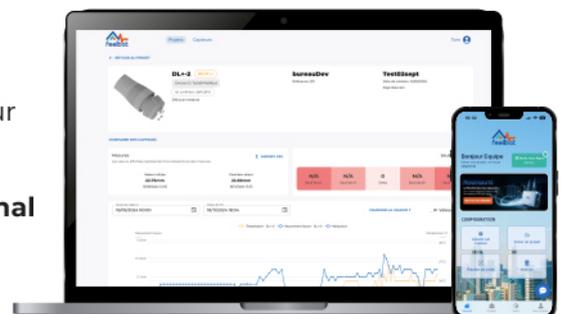


02 View your data in real time and remotely

Install your sensors, configure them, and monitor your structures in real time wherever you are.

Receive alerts when a predefined threshold is exceeded, ensuring effective prevention and optimal safety.

Generate PDF reports in just 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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