



Crackbox - Remote Crack Monitoring Device



Remotely monitor crack displacement on almost any structure. Using our unique technology the Crackbox is able to autonomously record the movement of cracks on both the X and Y axis.



The data from both the X and Y axis allows users to plot the actual movement of the crack unlike traditional tell-tales and potentiometers.



Sensors provide data accurate to 0.01 mm and take readings at user-specified intervals. Ambient temperature readings are also taken with every reading.



Built-in GPRS radio transmits recorded data back to our secure online gateway via mobile phone networks.



Over the air configuration update allows user to alter measurement frequency remotely.

Applications:

Measuring displacement caused by subsidence in domestic and commercial structures.

Monitoring Party Walls during construction or demolition work.

Monitoring the long term structural health of bridges including spans and joints.



Our data has shown that significant crack movement can occur in 5 days or less if there is significant precipitation or dry spells



Crackbox Specifications

- Battery power:- SAFT LS33600, 3.6V Lithium TH Chloride, Li-SOCl₂
- Temperature sensor:- -30°C to +85°C
- Crack displacement sensor:- accuracy 0.01 mm
- Device dimensions:- 135mm (w) x 70mm (h) x 65mm (d)

