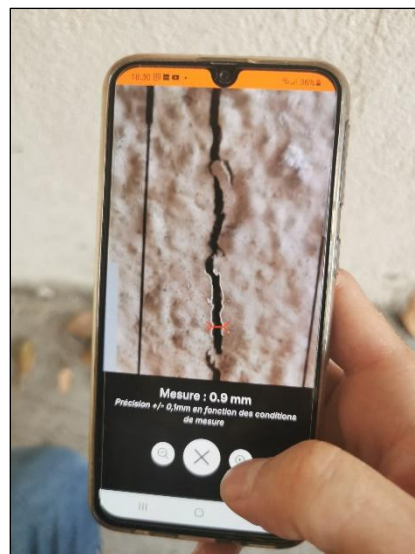
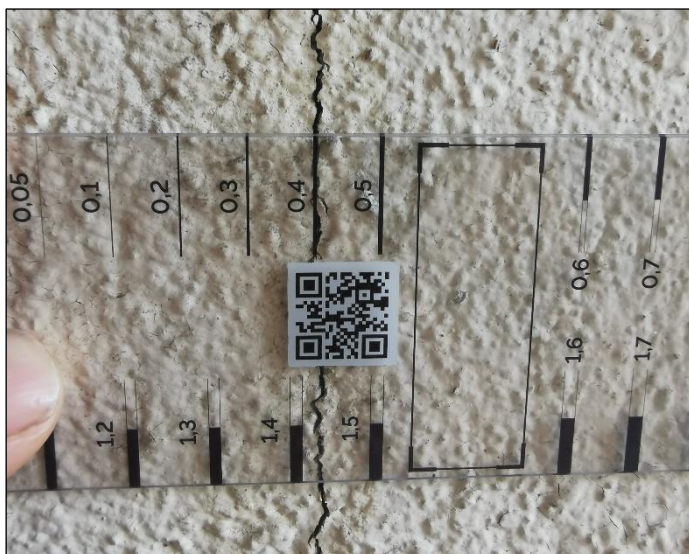


Enhanced crack ruler



The "enhanced" crack ruler is a transparent ruler used to **measure the width of a crack**. The innovation in this new version is that crack width can be measured in 2 ways:

- Either **manually using the graduated lines** in the conventional way
- Or **automatically with the Saugnac app** and its unique "augmented reality" image processing

The enhanced crack ruler is supplied with a protective case, a user manual and access to a free app for analysing crack width.

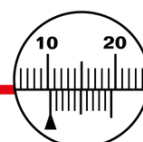
It has 22 graduated lines from 0.05 mm to 2 mm, a millimetre scale from 1 mm to 40 mm, a central image analysis area for the app and a QR code linking to the app.

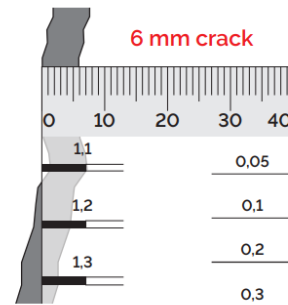
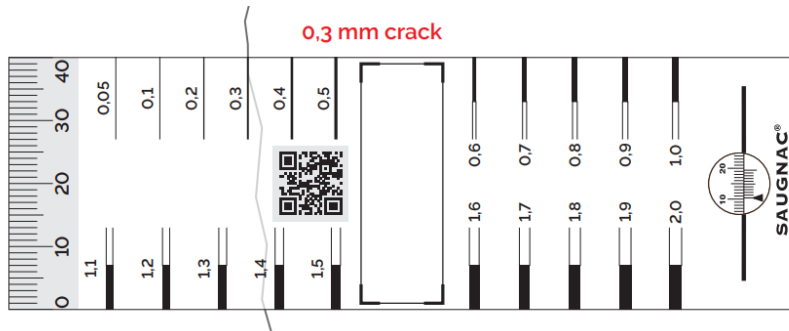
*Note: the enhanced crack ruler **is not designed to measure how a crack develops over time**. For this, measuring instruments designed for the purpose must be used:*
<https://www.saugnac-gauges.com/product-category/1-axis-crack-monitoring/>

Measuring crack width by visual reading

To determine the width of a crack under 2 mm, place the crack ruler on the crack and slide it until a graduated line exactly matches the width of the crack.

For cracks wider than 2 mm, use the millimetre scale on the side of the crack ruler in the same way as an ordinary ruler.



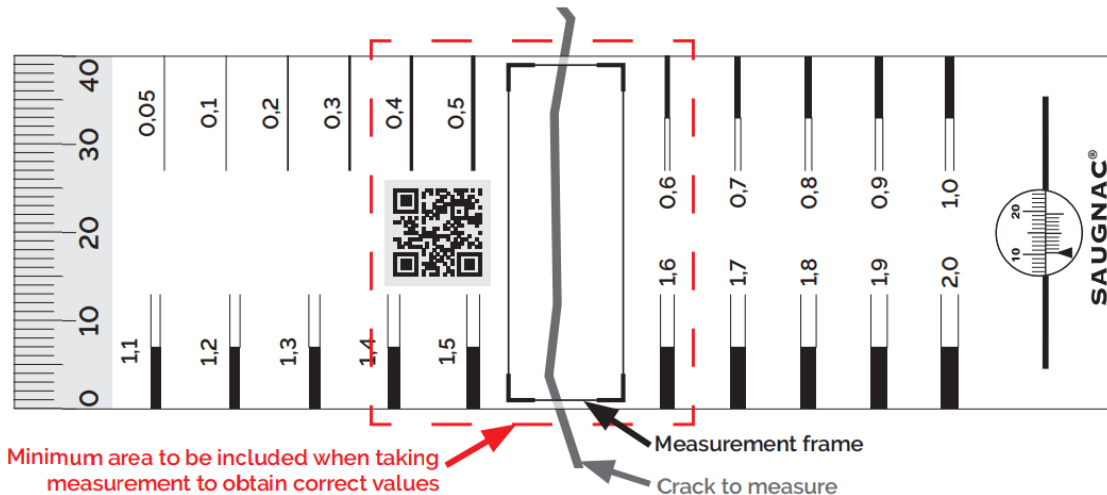


Measuring crack width with augmented reality

The enhanced crack ruler comes with an app that analyses the crack and calculates its width.

The app can be used without installation from a web browser; it can also be installed on your phone if you wish. The reading function is available either by scanning the QR code on the crack ruler or by going to <https://saugnac.app> and tapping the "Measure using the crack ruler" button.

Position the crack ruler so that the part of the crack to be measured is visible in its reading frame. The QR code and the 4 graduated lines above and below must be visible, as well as the two lines on the right, for the analysis to work correctly.



Using innovative image processing and analysis, with the graduations on the crack ruler as a reference, the app calculates the width of the crack at the selected point. The photo, showing the detected edges and the calculated width, can be saved to the phone. The app only works with recent phones that have a good-quality camera and a sufficiently powerful processor.

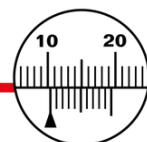
Warning: this app is an aid to estimating crack width. Depending on the quality and position of the camera and possibly the lighting, the estimate may vary by ± 0.1 mm. The app does not keep a history of measurements taken with the crack ruler and cannot be used to monitor how a crack develops.



The tool, the measurement, the know-how and the service too

SAUGNAC GAUGES

Tel: +33 (0)9 62 07 18 68 – saugnac-gauges.com – info@saugnac-gauges.com



SAUGNAC®

The expert's brand