

# GI *CrackScope*

## Purpose

The **CrackScope CS-100** can be used for accurate measurement of the width of surface opening cracks as well as measurement of the depth of surface holes or irregularities.

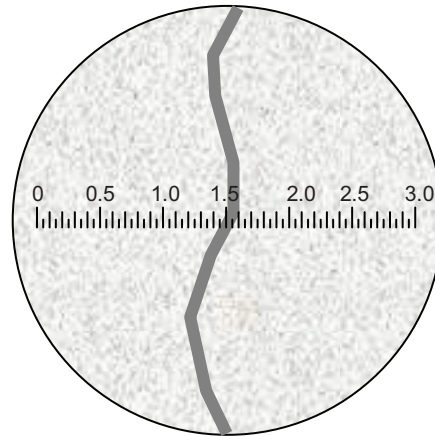
## Principle

The **CrackScope** is a small size, lightweight and conveniently portable microscope with a 25× magnification. It has a built-in scale for crack-width measurement and another scale on the focusing adjustment ring for depth indication.

## Resolution

The magnification of the **CrackScope** is 25 times. The built-in 3-mm scale has a least division of 0.05 mm, allowing the width of cracks to be estimated within  $\pm 0.025$  mm. Depth measurement is achieved by focusing at the bottom of a depression and then focusing at the perimeter of the depression. By reading the scale engraved on the focusing ring and the needle of the lens barrel, depths can be measured with an accuracy of  $\pm 0.05$  mm.

## Application Example



Ordering Number:

**CrackScope** CS-100



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