

# CrackScope

## Purpose

The **CrackScope CRS-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.

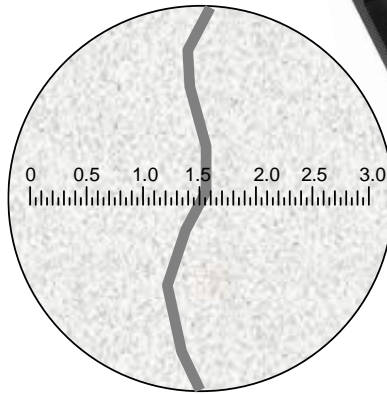
## Principle

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.

Depth measurements are made by means of the scale engraved on the focusing ring and the needle of the lens barrel. For a depth measurement, a reading in the scale is taken after focusing at the bottom of a depression and then a second reading is taken after focusing at the surface (top) perimeter of the depression. The difference of both readings gives the depth of the depression measured with an accuracy of ±0.1 mm.

## CrackScope Specifications

- Magnification = 25x
- Built-in 3-mm scale with 0.05 mm divisions
- Accuracy: ±0.025 mm on crack width
- Attachable/detachable rubber eyepiece
- Scale engraved on the focusing ring with 0.1 mm divisions for depth indication
- Size: 125 x 42 mm
- Net weight: 85 g



## Ordering Number:

Item	Order #
CrackScope	CRS-100