

Crack width detector is used to measure crack widths in bridges, tunnels, buildings, pavements and metal surfaces. TP-501 is a new type of crack width field testing device, which has functions such as automatic detection of crack position and width, and long-term monitoring under unmanned operation. It changes the measurement method from traditional manual measurement and reading to convenient automatic instrument measurement, and provides a wide range of crack width data processing methods.



## FEATURES

- ⊙ It has crack width detection and monitoring functions: the detection function can quickly and automatically determine the width of cracks on site, and the monitoring function can automatically monitor the width of cracks in continuous cracking in a long period.
- ⊙ Real-time interpretation of crack width: it only takes 150 milliseconds to interpret the width of a crack.
- ⊙ Intelligent interpretation of oblique cracks: Automatic interpretation does not require that the cracks in the screen must have a vertical trend. For oblique cracks, the trend can be automatically identified, the true crack width perpendicular to the oblique direction can be correctly interpreted, and the test speed and accuracy can be improved.
- ⊙ Support the manual interpretation of crack width: manually moving the cursor to define the boundary of the crack to complete the manual interpretation, and the scale is also displayed on the screen to check the reading. According to different crack widths, the crack image and the scale can also be appropriately zoomed in and zoomed out.
- ⊙ Data and images can be stored at the same time, with viewing and deletion functions, and can be exported via USB flash drive.
- ⊙ Set the total monitoring duration and test interval when carrying out crack monitoring, and display the timing in real time.
- ⊙ During monitoring, it can automatically sleep under power-saving mode and can be awakened at any time.

## TECHNICAL SPECIFICATIONS

Measurement range of crack width	0~10mm
Measurement accuracy	0.01mm
Estimable accuracy	0.001mm
Maximum detectable time	31 days
Minimum detection interval	1s
Magnification	Digital 60 times
Storage	Image and width data for 100 thousand crack points
Storage mode	U disk storage
Operation method	Screen-touch and buttons
Measurement method	The width of the crack can be measured by both hand and surface fixed.
Power	Built-in lithium battery, continuous power for 8 hours.
Working temperature	-10~+50 C
Dimensions	45x115x190mm
Weight	530g

