



Professional, Digital Crack Monitoring Kit

This set contains all that is needed to set up a crack monitoring system using precision calipers. This kit includes a crack width gauge to measure the width of cracks prior to monitoring, a digital caliper with data port, a pack of stainless steel discs, a pack of caliper marks, a pair of corner discs and crack record sheets. Also included is an illustrated manual with full instructions, which describes best practice methods for using the calipers. All the components can be re-ordered separately in order to replenish the kit.

Pro, Digital Crack Monitoring Kit **HC-2948**

 Ship wt. 4lb. (1.8kg)

Concrete Crack Data Logger

The HC-2955 crack data logger provides a method to monitor cracks and linear displacements in concrete structures, featuring an integrated data logger, which measures both displacement and ambient temperature. This crack detector measures cracks, with a resolution of 0.01mm, by using a rotary, precision potentiometer, which is driven by the winding/unwinding of a stainless steel wire with an 80mm stroke. It is also possible to add an extension to the steel cable to monitor cracks over wide expanses or areas that are not readily accessible, such as bridge decks, multi-faceted structures and other hard-to-reach places. The crack detector is configured using a graphic, user interface operating on a Windows® computer.

Temperature measurement range is -4°F to 176°F (-20°C - +80°C) with 1° resolution. The unit is powered by a user-replaceable battery, which should last between six months and five years, depending on how the unit is configured and frequency of downloads.

The measurements are stored in internal memory and are downloaded to a Windows PC using a USB cable (supplied). Data logger capacity is: 51062 readings or 18236 readings with redundant CRC. Acquisition frequency is adjustable from 10 seconds to 91 hours. Includes a download link for the latest version of the user guide and software.

Concrete Crack Data Logger **HC-2955**

 Ship wt. 1lb. (.45kg)

Concrete Crack Data Logger, Wi-Fi

The HC-2956 wireless crack data logger provides a method to monitor cracks and linear displacements in concrete structures, featuring an integrated data logger, which measures both displacement and ambient temperature. This crack detector measures cracks, with a resolution of 0.01mm, by using a rotary, precision potentiometer, which is driven by the winding/unwinding of a stainless steel wire with an 80mm stroke. It is also possible to add an extension to the steel cable to monitor cracks over wide expanses or areas that are not readily accessible, such as bridge decks, multi-faceted structures and other hard-to-reach places. The crack detector is configured using a graphic, user interface operating on a Windows® computer.

Temperature measurement range is -4°F to 176°F (-20°C - +80°C) with 1° resolution. The unit is powered by a user-replaceable battery, which should last between six months and five years, depending on how the unit is configured and frequency of downloads.

Measurements are stored in internal memory, which can be downloaded to a Windows PC via a wireless connection from a range of up to 150m using a graphic user interface on a PC computer. Data logger capacity is: 51062 readings or 18236

readings with redundant CRC. Acquisition frequency is adjustable from 10 seconds to 91 hours. Includes a download link for the latest version of the user guide and software.

Concrete Crack Data Logger **HC-2956**

 Ship wt. 1lb. (.45kg)

Extension Cables for Concrete Crack Data Loggers

Extension kit for the HC-2955 and HC-2956 Concrete Crack Data Loggers for those applications requiring a longer span across larger cracks and joints or where mounting points require a longer expanse. These cables are available in 4 sizes: 12" (30cm); 20" (50cm); 39" (100cm) and 79" (200cm).

Cable Extension, 39" (100cm) **HC-2955.3**

Cable Extension, 79" (200cm) **HC-2955.4**

 Ship wt. 1lb. (.45kg)

Concrete Crack Measuring Microscope

The crack measuring microscope is a precision, hand-made product, which is designed specifically for measuring cracks in concrete. This high-definition microscope is further enhanced by having its own adjustable light source for darkened conditions. Overall height of the microscope is 5.125" (130mm).

The image is focused by turning a knurled knob on the side of the instrument and the eyepiece scale can be rotated through 360° to align with the direction of the crack. The 4mm width of measurement has a lower scale, divided into 0.2mm divisions, which are subdivided into 0.02mm divisions. Comes complete in its own sturdy wooden pocket-size case.

Concrete Crack Measuring Microscope **HC-2950**

 Ship wt. 2lb. (0.9kg)