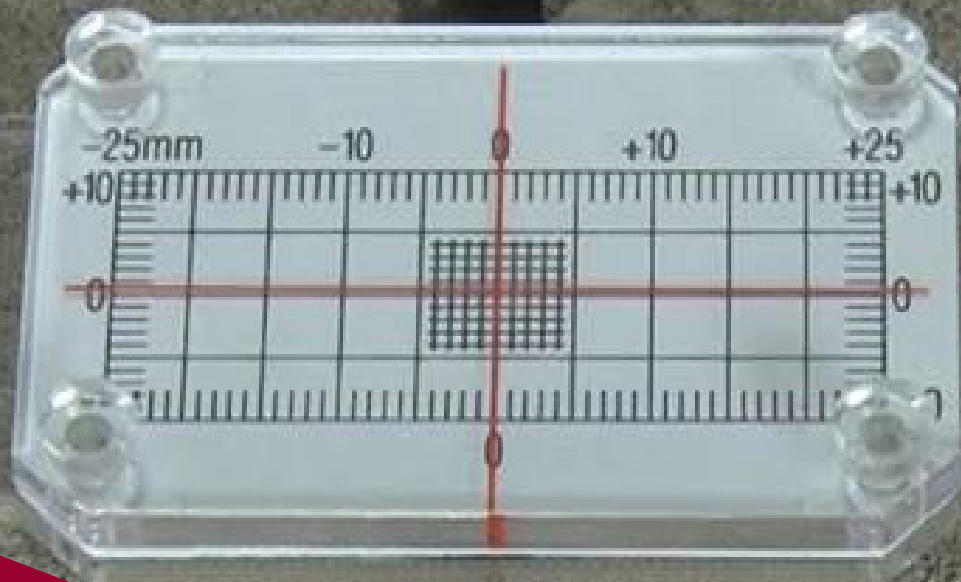




CONCRETE CRACK MONITORING

HOSKIN
SCIENTIFIC

TOOLS & INSTRUMENTATION



hoskin.ca

Supplying Testing & Monitoring Instruments Since 1946

ABOUT HOSKIN

For over seventy years, Hoskin Scientific has been a supplier of testing and monitoring instrumentation to the Canadian market. With offices in Vancouver, Edmonton, Oakville and Montréal our customers are able to receive local sales and technical support in our three major departments.

Our Environmental Department provides solutions for monitoring and sampling biological and chemical parameters in the environment. Our team of environmental sales representatives and diverse product range guarantee that you will find the right products for your application. Specific areas include: water quality, water quantity, soil moisture, plant science, weather stations, indoor air quality, aquatic sampling, and oceanography.

Our Materials Testing Department offers testing equipment for soil, asphalt, petroleum, concrete and cement. Our qualified sales associates focus on providing a sophisticated range of testing equipment complying with the various test methods, ensuring that accurate and consistent test results are always obtained.

Our Instrumentation Department focuses on a wide range of products including optical camera systems, transducers and transmitters, data acquisitions and loggers, signal conditioners and indicators, automation sensors and measurement systems. We have technical sales associates that are trained in various areas and willing to help you with your instrumentation requirements.

RENTALS

We offer high quality, proven equipment that will provide the user with valuable data as well as numerous ways of retrieving, filtering and viewing that data. We carry a wide range of instrumentation, including: water quality, portable gas monitors, soil sampling instruments and more.

Rental Equipment:

- Single and multi-parameter instruments that can be setup for spot checks or extended deployment/data logging
- Water sampling instruments
- Water velocity and stream profiling instruments
- Soil sampling instruments
- Soil vapour sampling instruments
- Portable gas monitoring instruments

Customer satisfaction is our goal and we make an effort to ensure that all our customers are satisfied with their rental. All rental instruments are cleaned and calibrated before being sent to the user (please note that we also require equipment to be returned clean). If a rental instrument requires recalibration, please return the instrument to us and we will recalibrate at no charge. Any instrument not functioning properly can be exchanged at no cost.

Hoskin Scientific offers technical support over the phone and can also provide hands on demonstrations.

We are constantly expanding and looking for new equipment to add to the rental inventory and welcome all suggestions.

Check our website www.hoskin.ca for current offerings.

Daily, weekly and monthly rental rates available – please call for a quote.

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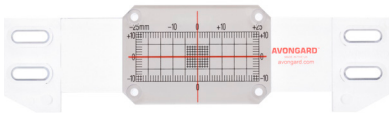
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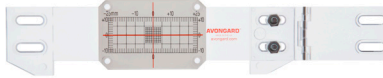
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Plus Tell-Tale



Precision gauges that consist of two plates which overlap for a part of their length. The bottom plate is calibrated in millimetres and the top plate is transparent and marked with a hairline cursor in the form of a cross.

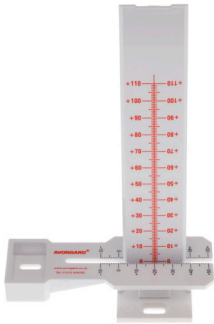
Corner Tell-Tale



Monitors horizontal and vertical movement across a crack in a corner.

The Tell-Tale is hinged enabling it to be used in internal corners of angles between 70 and 180 degrees.

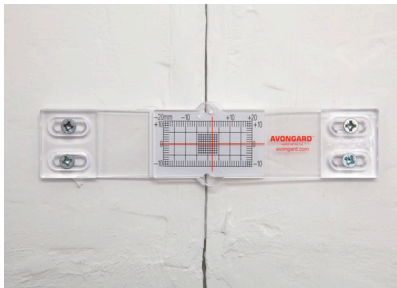
Displacement Tell-Tale



Monitors horizontal and displacement movement where there is a "step" across a crack due to displacement or "out of plane" movement.

Consists of three components. A base plate (not calibrated) a top plate (which is calibrated) and a graduated ruler. The ruler is not left on the gauge but is used to measure the relative movement in the two plates.

Standard Tell Tale



Avongard Tell-Tales are precision gauges that consist of two plates which overlap for a part of their length. The bottom plate is calibrated in millimetres and the top plate is transparent and marked with a hairline cursor in the form of a cross.

Home Monitoring Kit



This set contains all the products needed to monitor cracking on a flat wall within the home. It includes a Crack Width Gauge to measure the width of cracks prior to monitoring, Plus Tell-Tales, all fixings, instructions for use and Crack Record Sheets. It also includes the book *Has your House got Cracks?: A Homeowner's Guide to Subsidence*.

The kit can be replenished by re-ordering any of the components which are also available as separate items.



Crack Monitoring Kit

This set contains all the products needed to set up a Tell-Tale crack monitoring system. Supplied in a courier bag with shoulder strap, it includes a Crack Width Gauge to measure the width of cracks prior to monitoring, Plus Tell-Tales, Corner Tell-Tales, all fixings and Crack Record Sheets. It also includes an illustrated manual with full instructions for use.

The kit can be replenished by re-ordering any of the components which are also available as separate items.

CONTINUOUS MONITORING



Crack Movement Recorder Kit

The Wireless Crack Movement Recorder provides continuous recording of both movement in crack width and ambient temperature. The unit is configurable to measure at a pre-defined interval of 1 minute to 91 hours. The built in data logger stores readings for later download wirelessly onto a PC from a range of up to 150m. This kit contains everything required (except from the PC) to set up a monitoring system.



Crack Movement Recorder Wireless

The Wireless Crack Movement Recorder provides continuous recording of both movement in crack width and ambient temperature. The unit is configurable to measure at a pre-defined interval of 1 minute to 91 hours. The built in data logger stores readings for later download wirelessly onto a PC from a range of up to 150m.



Crack Movement Recorder USB

The USB Crack Movement Recorder provides continuous recording of both movement in crack width and ambient temperature. The unit is configurable to measure at a pre-defined interval of 1 minute to 91 hours. The built in data logger stores readings for later download onto a PC.



Communication Module

The Wireless Communication Module connects to the USB port on a Windows PC or Tablet. In conjunction with the supplied software, it supports communication with up to sixteen Avogard Crack Movement Recorders simultaneously.



Extension Cables

This extension kit allows the monitoring cable on the Crack Movement Recorder to be extended to span larger cracks or joints.

Available in:

- 30 cm - 50 cm - 100 cm - 200 cm

Digital Monitoring Essentials Kit

This set contains all that is needed to set up a crack monitoring system using precision calipers. Supplied in a courier bag with shoulder strap, it includes a Crack Width Gauge to measure the width of cracks prior to monitoring, a Digital Caliper, a pack of Stainless Steel Discs and Crack Record Sheets. Also included is an illustrated manual with full instructions and describes best practice methods for using the calipers. All the components can be re-ordered separately in order to replenish the kit.



Digital Monitoring Professional Kit

This set contains all that is needed to set up a crack monitoring system using precision calipers. Supplied in a courier bag with shoulder strap, it 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 Avonmarks, a pair of Corner Discs and Crack Record Sheets. Also included is an illustrated manual with full instructions and describes best practice methods for using the calipers. All the components can be re-ordered separately in order to replenish the kit.



Vernier Caliper Kit

This set contains all that is needed to set up a crack monitoring system using precision calipers. Supplied in a courier bag with shoulder strap, it includes a Crack Width Gauge to measure the width of cracks prior to monitoring, a Vernier Caliper, a pack of Stainless Steel Discs, a pack of Avonmarks, a pair of Corner Discs and Crack Record Sheets. Also included is an illustrated manual with full instructions and describes best practice methods for using the calipers. All the components can be re-ordered separately in order to replenish the kit.



USB Interface for Digital Calipers

For use with our Professional Calipers and Caliper kits, the data collection kit plugs into the data output port on the caliper and the USB port on a laptop or tablet computer. When the Data button is pressed, the reading from the caliper is sent directly into the selected field or cell on the computer.

The kit consists of a connecting cable and USB interface. When used with Excel or a Database the measurements can then be collected in sequence without having to type the readings in.

The interface emulates a keyboard and sends the reading followed by a return to move focus to the next field. Suitable for use with Windows 8, Windows 7, Vista, XP, 2000 and Pocket PC.



Crack Microscope



The high definition crack microscope is very easy to use and comes in a wooden pocket size case. The adjustable battery powered light source ensures a well-illuminated image under all working conditions.

- Resolution 0.02mm.
- Measuring range 4.00mm.
- Weight 560 grams.
- Overall magnification x40.
- Microscope manufactured with strong metal casing.
- Supplied in a wooden case 150mm x 90mm x 40mm.

Crack Width Gauge



The Crack Width Gauge is manufactured in polycarbonate. The co-efficient of linear thermal expansion is 7.0×10^{-5} cm/cm/oC for ambient temperatures between -30 Degrees C to +30 Degrees C.

- Suitable for internal and external use.
- Scale calibrated from end of Crack Width Gauge allows measuring of cracks in corners.

ACCESSORIES

Guide to Subsidence



This guide was commissioned by the Institution of Civil Engineers and the Building Research Establishment to provide practical guidance for homeowners whose properties have been affected by subsidence, or heave, or who are concerned by the potential risk of damage.

Thermometer Kit



Infrared thermometer kit that contains the digital infrared thermometer together with a penetration probe and wipes. Each thermometer kit is supplied in a useful carrying case with a tub of 40 anti-bacterial wipes.

Each infrared thermometer kit contains:

- 1 x Digital Infrared Thermometer
- 1 x Penetration Probe
- 1 x One tub UniWipes (40)



Avonmarks (Pk 100)

The Avonmarks can be fixed with Plastic Padding® about 80 to 100mm either side of the crack to be monitored. (Pack of 100)



Stainless Steel Discs (Pk 100)

The Stainless Steel Discs can be fixed with Plastic Padding® about 80 to 100mm either side of the crack to be monitored. (Pack of 100)

Supplied in a convenient tin for easy dispensing on site.



Corner Discs

For monitoring with calipers on corners. Supplied with two Stainless Steel Discs. Fix with screws and/or Plastic Padding®. (Pack of 2)



Araldite Rapid Epoxy (24ml)

Araldite two part epoxy can be used to fix all Avongard Tell Tale Products as well as all Caliper datum. It can also be used to increase the vandal resistance of all screw fixings by coating the screw before insertion. (Supplied singly)

One pack will fix approximately 2-3 Tell-Tales depending on the surface conditions.



Plastic Padding (Tin)

Plastic Padding (Chemical Metal) can be used to fix all Avongard Tell Tale Products as well as all Caliper datum. It can also be used to increase the vandal resistance of all screw fixings by coating the screw before insertion. (Supplied singly)

One pack will fix approximately 15 Tell-Tales depending on the surface conditions.

Hoskin Scientific Limited has been supplying testing and monitoring instruments since 1946. Although our range is broad, we focus on three major markets including:

Geotechnical & Materials Testing
Environmental Monitoring
Test & Measurement Instrumentation

Hoskin Scientific operates out of four offices within Canada:

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