

SCRATCH PAD TYPE CRACKMETER/RECORDER

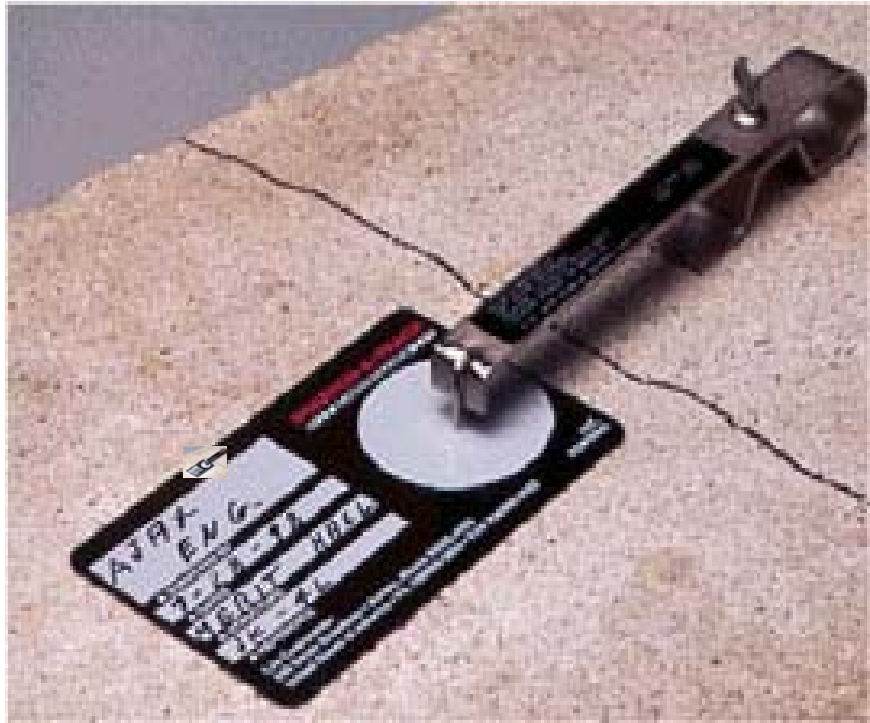
How it Works:

The system is very simple, consisting of a stainless steel scribe, attached to a rigid arm resting on a special plastic pad.

The circular target is a special white film which easily yields to the point of the scribe, leaving a very thin and well defined black scratch to permanently record any motion.

Relative movement is recorded as the crack changes dimension via direct imprinting on the plastic pad with the scribe.

Writing strips are provided to note the surveyor, dates, locations, etc



Installation:

The metal arm is bonded to the surface on one side of the crack. The plastic pad is bonded on the opposite side, with a the scribe in the center of plastic pad.

Use a gel type super-glue or an epoxy to bond both the finger and the pad to the surface.

Bond the pad first. The scribe is then positioned over the circular target and bonded to the surface.

Following initial set of the glue, the scribe is lowered by means of the thumb screw, drawing the upper bar of the finger down until it gently touches the pad.

It may be mounted overhead, on the vertical, or in any configuration, as long as two relatively flat surfaces are available for setting the pad and finger.

nickel.

The arm and scribe may be reused several times, replace the pad when required by you application.

Maintenance:

The system can be left in place in all types of weather for months at a time. The finger is heat treated spring steel coated with electroless



Applications:

Use the Scratch Pad Crackmeter/Recorder to monitor:

- thermal movement of cracks/joints
- settlement of buildings
- slab adjustments during jacking operations
- behavior of structural members under loads/unloading
- deflection of rail tracks
- Changes in existing conditions

For more information visit geo-instruments.com