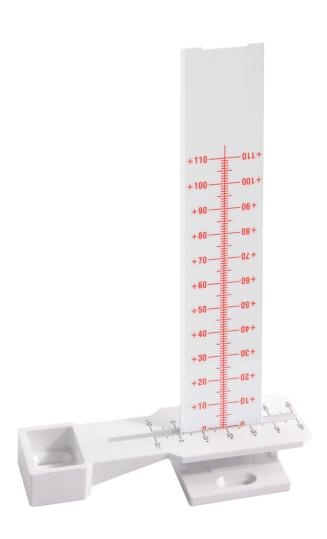
## 07.24

### **HC-2939**



Displacement Crack Monitor



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# Taking Readings:

Slide the ruler into the slot in the top plate until it fits into the raised panel on the bottom plate.

**Displacement Monitoring:** Where the red scal on the ruler projects from the top plate take a reading and mark the results below.

Horizontal Monitoring: Where the red line at the center of the ruler coincides with the black scale on the top plate, take a reading off the black scale and mark the results below.

			Date of Reading
			Displacement Movement (Red Scale on the Ruler)
			Horizontal Movement (Black Scale on the Top Plate)

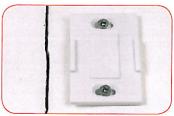


figure 1



figure 2

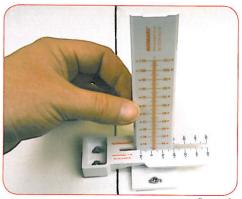


figure 3

Displacement Crack Monitors measure displacement (out of plane) and horizontal movement across a crack.

The Displacement Crack Monitor consists of three components: a graduated ruler, a top plate (calibrated) and a bottom plate (not calibrated). It is only the top and bottom plate that are fixed across a crack. The ruler is not left on the gauge, but is only used when taking readings.

#### **Fixing Instructions**

- 1. Align the bottom plate parallel to the crack and fix with screws and rawlplugs (size 6) and adhesive (figue 1).
- 2. Align the top plate on the other side of the crack at 90° to the bottom plate and fix with screws and rawlplugs (size 6) and adhesive (figure 2).

#### **Humboldt Mfg. Co.**

875 Tollgate Road Elgin, Illinois 60123 U.S.A. U.S.A. Toll Free: 1.800.544.7220

Voice: 1.708.468.6300

Fax: 1.708.456.0137

Email: hmc@humboldtmfg.com

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