

VW Crackmeter

Model GV-2403

Description

- The gauge operates on the principle that a tensioned wire, when plucked, vibrates at its resonant frequency. The square of this frequency is proportional to the strain in the wire. Around the wire is a magnetic coil which when pulsed by a vibrating readout or data logger interface plucks the wire and measures the resultant resonant frequency of vibration.
- A change in distance between the anchors caused by the crack opening or closing causes the inner free-sliding rod to move within the outer body which changes the tension on the spring and the vibrating wire thus altering the resonant frequency of the wire.

Feature

- Displacement monitoring
- Use for Rod Extensometer
- Robust design & Simple structure
- Stainless steel Housing
- High accuracy & resolution
- Long term stability
- Stable Vibrating Wire signal



Specification

Items	GV-2403
Range	50mm, 100mm, 150mm, 200mm
Rated Output	$\text{Hz}^2 \times 10^{-3}$ digit
Non-Linearity	less than 0.1% Rated Output
Working Temperature	-20°C ~ 80°C
Outer Diameter	11mm
Overall Length	30cm long (50,100mm)