
PORTABLE JOINTMETERS

PF Series

APPLICATIONS

The PF series portable jointmeter (also crackmeter or fissurometer) is used to measure relative displacement between a pair of reference studs. Typical applications include:

- Monitoring superficial movements across cracks in rock or concrete
- Measuring movement of construction joints in concrete
- Monitoring deformation cracks in brick, masonry, concrete or wooden structures

DESCRIPTION

The PF series portable jointmeters are instruments that measure the distance between pairs of reference balls anchored to the structure. Reference balls are installed using a template to ensure accurate location. Movement of the crack or joint is determined by comparing the variation in distance between the reference balls over time.

The PF8 jointmeter consists of a spring-loaded dial indicator that is set between 8 mm stainless steel reference balls. Extension rods are available to extend the gauge length of the jointmeter.

The PF25 consists of a steel tube with a fixed conical seat at one end and a spring-loaded conical seat, attached to a dial indicator, at the other end. To take measurements, the PF25 is located over two 25 mm stainless steel reference balls anchored to the structure.



Model PF25 jointmeter and extensions

FEATURES

- High accuracy and resolution
- Simple to install and monitor
- Low cost
- Retrievable for reuse

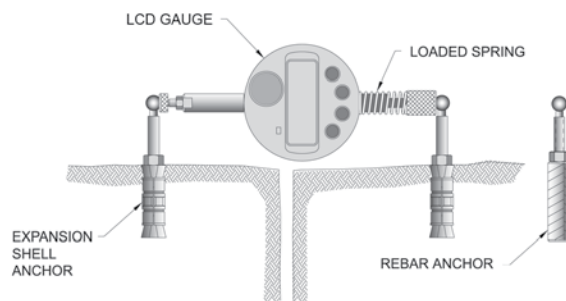
SPECIFICATIONS

MODEL	PF8	PF25
Range	25 mm	50 mm
Distance between reference points	200 mm	200–350 mm
Optional extension rods used to increase range	25, 50, 75, 100 mm	50, 100, 200 mm
READING INSTRUMENT	LCD GAUGE	DIAL GAUGE
Accuracy	±0.003 mm or less	±0.05 mm (range 25 mm)
Resolution	0.001 mm	0.01 mm
Operating temperature	0 to +40°C	—
Autonomy (battery)	7 months	—

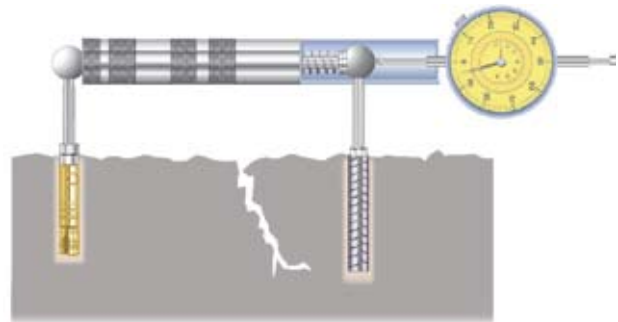
ORDERING INFORMATION

Please specify:

- Model and range
- Type of reading gauge
- Accessories: - extension rods
- installation jig



Model PF8 with an LCD gauge



Model PF25 with dial gauge