

## Mechanical strain gauges

STANDARDS: ASTM C426 / BS 1881:206

Used to determine the strain (length changes) in concrete specimens and structures, rock strata, different parts of a structure, in remote areas and under adverse conditions, using a single instrument. Different models are available with analogic or digital gauge, 100, 200, 300 mm measuring length, depending on the standard length to be measured. The instrument can also be used for other structures like steel and wood.

The standard equipment comprises:

- Strain gauge (extensometer) complete with analogic or digital indicator 0,001 mm graduations (see available models)
  - Calibration bar used also to fix the datum disc on the structure.
  - 50 datum discs.
  - Adhesive compound for datum discs.
- The whole contained in carrying case.

MODELS WITH “analogic gauge” 0,001 mm graduations:

**C360 KIT** STRAIN GAUGE, 100 mm measuring length, complete.

**C360-01 KIT** STRAIN GAUGE, 200 mm measuring length, complete.

**C361 KIT** STRAIN GAUGE, 300 mm measuring length, complete.

MODELS WITH “digital gauge”, battery feeded, with reading values in mm (sens. 0,001 mm) and inch.

Complete with battery, but “without” RS232 port.

**C359 KIT** STRAIN GAUGE, 300 mm measuring length, complete

**C359-01 KIT** STRAIN GAUGE, 100 mm measuring length, complete

**C359-02 KIT** STRAIN GAUGE, 200 mm measuring length, complete



C361 KIT

section C



285



C359-01 KIT



C363 KIT

MODELS WITH “digital gauge”, battery feeded, with reading values in mm (sens. 0,001 mm) and in inch (sens. 0,0001”).

Complete with battery and RS232 connector to PC.

**C363 KIT** STRAIN GAUGE, 300 mm measuring length, complete.

**C363-01 KIT** STRAIN GAUGE, 100 mm measuring length, complete.

**C363-02 KIT** STRAIN GAUGE, 200 mm measuring length, complete.

ACCESSORY for C363 serie models:

**S382-13**

Software, complete with USB adaptor and connection cable to PC

SPARE PARTS:

**C362-01** DATUM DISC (pack of 50)

**C362-02** ADHESIVE compound.

## C399

### Crack detection microscope

Used to measure crack width in concrete structures, by operating via an adjustable light source.

High definition unit, provided by power batteries, carrying case.

The eyepiece scale can be turned through 360° to align with the direction of the crack under detection.

Measuring range:

4 mm. and div. 0,02 mm.

Magnification: x35

Weight: 600 g



C399

MATEST