

CaviSens indication sensor

Background

CaviSens measures elongation and bolt breakage. The measurement values are also registered by an external measuring system.

Function

Bolt breakage and elongation as well as battery voltage can be measured and registered using data logs or other measuring systems for registration of measurement data. The measuring system is placed next to CaviLog and is connected to its contact for data output. Registered data can be evaluated using different computer programs.

Connection system

Connects to the CaviBasic system.

Assembly

The sensor is connected to the thread at the toe of a rock bolt. Then the rock bolt's steel wire is connected to the sensor's connection point. The sensor is activated when assembled on to the rock bolt.

Environment

The sensor is sealed in an IPXX case, thus withstanding moisture and vibrations.

Adapters for different rock bolts

M20, M22 and M24

Battery life

About 3 years

Re-use

The sensor can be re-used, moved to other rock bolts. Entails change of battery.

Accessories

Data logs if necessary

Weight

200g