

GLÖTZL Baumeßtechnik

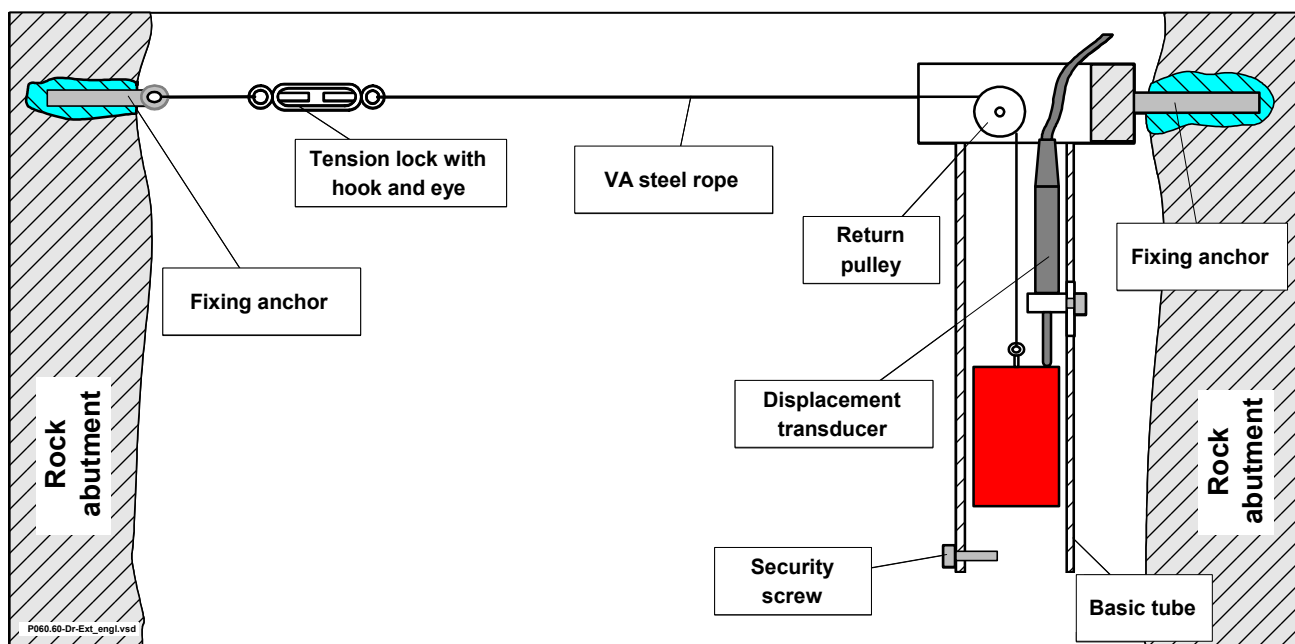
WIRE EXTENSOMETER

Type: GDEX

Art. No.: 60.60

The wire extensometer is used for movement and convergence measurements in a free area between field and rocky fissures resp. also between construction parts.

Measuring principle:



A stainless steel wire is prestressed between two fixed points (e.g. cemented bolts) by means of a tension weight. The changes in length and distance between the fixed points are recorded by a distance measurement at the tension weight.

Normally, an electric displacement transducer with remote control and with option of an automatic recording is used for measurement. Alternatively, also a manual measurement with a dial gauge is possible if the anchor point is accessible in the area and a continuous measurement is not necessary.

By the simple principle of the wire extensometer a recording of large movements in the ranges of decimeters and meters are possible as the length of wire can be adapted quickly and dynamically.

Information for ordering

60.60.01 Basic tube of VA steel Ø 102 / 94 mm, length=1000 mm for housing and guidance of tension weight, housing of displacement transducer, mounted movable and inclinable anchoring head with return pulley for steel rope, adjusting device for height adjustment of displacement transducer



60.60.11 Fixing anchor for basic tube
l= 500 mm, Ø 20 mm(opposite side),
l= 350 mm, Ø 20 mm



60.60.11 Fixing anchor with eye for steel rope

60.60.13 Tension weight of VA material, Ø 90x200 mm, with suspension hook for steel rope



60.60.14 VA steel rope Ø 3 mm, available in required lengths, with eyes and snap hook for hanging

60.60.15 Tension lock with hook and eye



65.xx.yy Displacement transducer with resistivity element on request in different measuring ranges from 40 up to 400 mm as passive model or also with installed amplifier

74.01.11 Readout unit FMG 01-2 with accu operation and charger, 2 channel instrument for displacement and optional temperature

50 / 51 Automatic recording device as field version with accu operation or mains operation on request

