

TELELOT VDD2/3

V4

Application

The Telelot VDDxx measures automatically, contactless and continuously the pendulum wire coordinates within a range of 150 x 60 mm.

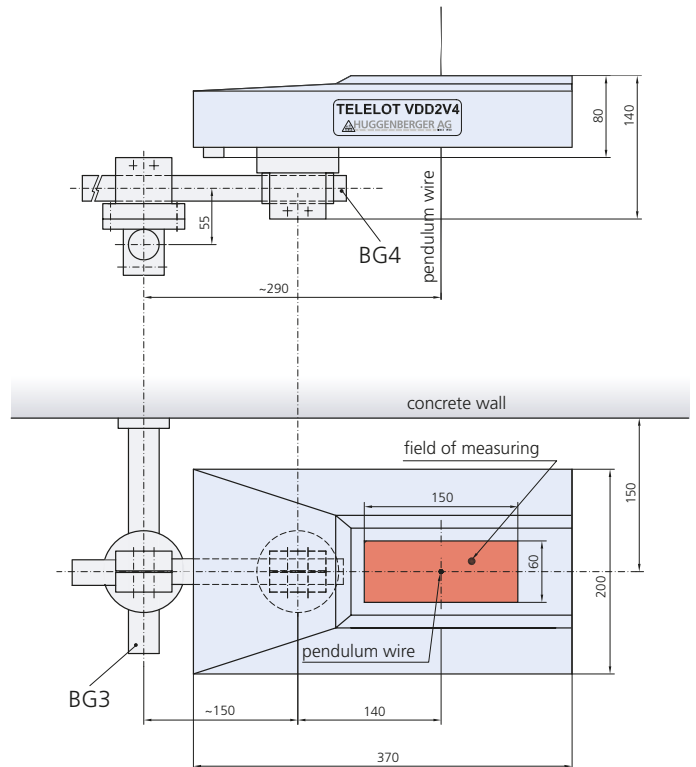
Description

The Telelot is installed in a splashproof and corrosion-resistant housing. Diodes and shadow sensors are protected from external influences, without the use of optical lenses. An internal heating system prevents condensation within the instrument.

Light sources cause a shadow of the pendulum wire which is detected by bright-dark sensors. The exact position of the pendulum wire is determined from the position of the light sources and the shadow focal points.

The instrument can be installed without removing any parts of a pendulum system. Installation and alignment are easily accomplished thanks to the universal support system.

The instrument is delivered with digital and analog signal output. Configuration is effected by a PC via RS232 interface. All cable connections are plugged by special connectors at the lower side of the instrument.



BG3: max. length 300 mm
BG4: max. length 300 mm

Technical Data

Type	VDD2V4	VDD3V4 (with 3 rd axis)
Measuring system	contactless, no moving parts, no coated optical glasses	
Measuring ranges	X = 150 mm, Y = 60 mm	X = 130 mm, Y = 40 mm, Z = 20 mm
Precision	±0.05 mm in core area, ±0.1 mm in boundary area	
Measuring rate	1 second up to 12 hours	
Memory for measuring values	20,000 single measuring values 100 values each before/after the first alarm 100 values each before/after the last alarm 500 average values 100 values of one daily individual measurement	
Pendulum wire	ø 1–2.5 mm	
Interfaces	RS232, RS485	
Analog signal output	0/4–20 mA	
Alarm	2 potential free relays contacts, freely configurable	