

Building Inclinometer (Tiltmeter)

Type GNW

Art.-No. 75.61



The building inclinometer GNW is used to record the smallest inclination changes in buildings. The inclination is recorded by a high-precision MEMS sensor and processed by a controller developed by GLÖTZL. The highest possible accuracy is achieved by calculating the individual calibration data and a third-order linearization. The measured values are transmitted digitally using RS485 in the company's own protocol and enable the installation of several inclinometers in series. A transmission length of up to 1,000 m is possible without an intermediate amplifier.

TECHNICAL DATA

	GNW VS-2/30	GNW VQ-1/30	GNW VQ-2/30
Dimension (BxHxT):	100x650x95 mm	100x650x95 mm	100x650x95 mm
Weight:	7 kg	7 kg	7 kg
Measuring axes:	2	1	2
Measuring range:	±30 °	±30 °	±30 °
Max. operating range:	± 90°	± 90°	± 90°
Linearity:	± 0,02 % f.s.	± 0,005 % f.s.	± 0,005 % f.s.
Resolution:	±0,004 mm/m	±0,015 mm/m	±0,015 mm/m
Operating temperature:	-20 °C up to +80 °C	-20 °C up to +80 °C	-20 °C up to +80 °C
Integrated temperature sensor:	yes	on request	on request
Protection class:	IP 66	IP 66	IP 66

Systems for data recording

- The MCC series measuring system can record, save and remotely transmit data from numerous devices at a set interval. It is also possible to evaluate measured data internally and to set limit values for direct alarms.
- The DL series data logger can measure up to 8 channels automatically and transmit the stored data via mobile network. The system works autonomously and is powered by batteries.



Fig.: Modified building inclinometer for underfloor installation

