GEOLOGICAL, GEOPHYSICAL, GEOTECHNICAL SERVICES AND INSTRUMENTS

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Remote Monitoring System for Stationary Inclinometer

j.»» Ling-Tilt



Probe (MODEL-4499)

< Abstract >

LinQ-Tilt is stationary type inclinometer to measure inclination in the underground and installed at multi layers in a borehole using dedicated casing pipe.

This can be applied for landslide monitoring and civil work supervision, such as shield tunnel, excavation work and etc.

Borehole inclinometers are genera.ly operated by manual work at once a week or a month, while the LinQ-Tilt can be connected to i-SENSOR2 LinQ-Tilt which is the dedicated logger for setting remote monitoring system.

The i-SENSOR2 LinQ-Tilt has a warning alert function and a self-judgment function and it is available to prepare /develop an early warning system for preventing natural disasters.



Logger (MODEL-4784)

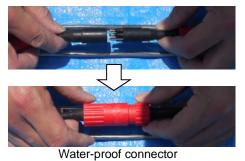
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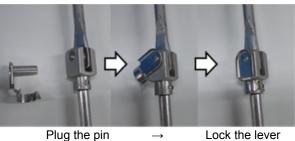
- Multiple sensor can be easily built at a site and installation work is simple and speedy
- MEMS (Micro Electro Mechanical Systems) sensor is applied and low power consumption.
- Minimum interval of deployment is 50 cm and equivalent data of general borehole inclinometer can be obtained.
- Continuous monitoring by remote monitoring system can be easily prepared with the i-SENSOR2 LinQ-Tilt.
- Measurement and data transmission interval are automatically changeable by setting threshold on the self-judgment functions.

< Specification >

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O Probe		O Logger	
Measurement direction : 2 axes (A axis, B axis)		Inclinometer	
Output data	: Angular representation	Connection sensor	: LinQ-Tilt (MODEL-4499)
Measurement range	: +/- 15°	Data storage capacity	: approx. 10,000 data (at 20 units)
Resolution	: 0.001°		: approx. 43,000 data (at 3 units)
Measurement accuracy : +/- 0.1 % F.S.		 Interface 	
Temperature characteristic		USB	: USB2.0 × 1 port
	: +/- 0.008°/°C and lower	(For conversion port between USB and RS232C)	
Data transmission	: RS-485 (4-core cable)	Memory card	: SD-card, SDHC-card
Connectable number	: Up to 20 units	Communication card	: SIM-card (GSM/GPRS)
Installation interval	: min. 50 cm	LED	: Status LED=Activating conditions
Cable length: max. 120 mPower consumption: 25 mA and lower		Access LED=Battery check and Writing task into SE	attery check and Writing task into SD
		Outer contact input	: 3 ch
		Outer contact output	: 3 ch (non-contact output)
		 Communication 	
		Packet communication : GSM/GPRS	
		Time & position	: GPS
		 Power source 	: DC+6 to DC+15 V
		 Protection grade 	: Splash-proof
	I-SENSOR2	 Outer Dimension 	
		Outer size	: approx. φ85 × 220 mm (excluding projections)
		 Weight 	: approx. 1 kg (excluding battery)
	AK.		
Rod		.	
Joint		Simply and Easily Connecting Work	

Simply and Easily Connecting Work





Plug the pin

Lock the lever

Color, design and specifications are subject to change without notice

oyo corporation

Whole-view



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Frame

Sensor

Connector Frame

Connector

Probe

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Probe

Probe

Probe



