

# Multi-layer inclinometer **NKB-LF/NKB-MF**

## Highly reliable data network-compatible with improved insulation functionality

This is the inclinometer developed to automatically measure the displacement of the ground or structure.

A special guide pipe is installed vertically in the ground or structure in advance, and several inclinometers are connected to the guide pipe with a relay rod (KBF-33) so that they come to the measurement position and are fixed in place.

As the inclinometers have a built-in network module, the inclinometers are connected successively with a single cable.

The system is used for measuring landslide displacement and the displacement of earth retaining walls.

The NKB-LF model only measures in one direction, while the NKB-MF can simultaneously measure in X and Y direction with a single unit.

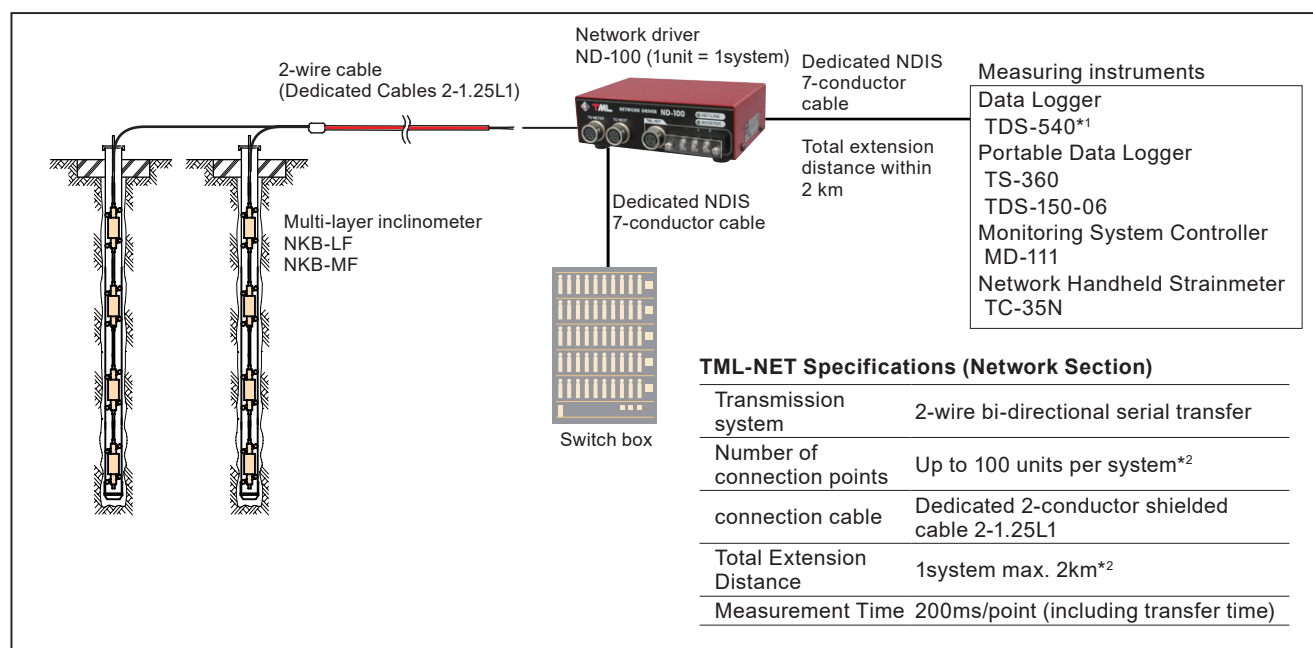
Protection rating: IP68 equivalent

### Features

- Connection possible with a single cable
- Insulation check function included
- Made of corrosion-resistant all stainless steel
- No sensitivity loss
- Easy automatic measurement



### System Block Diagram



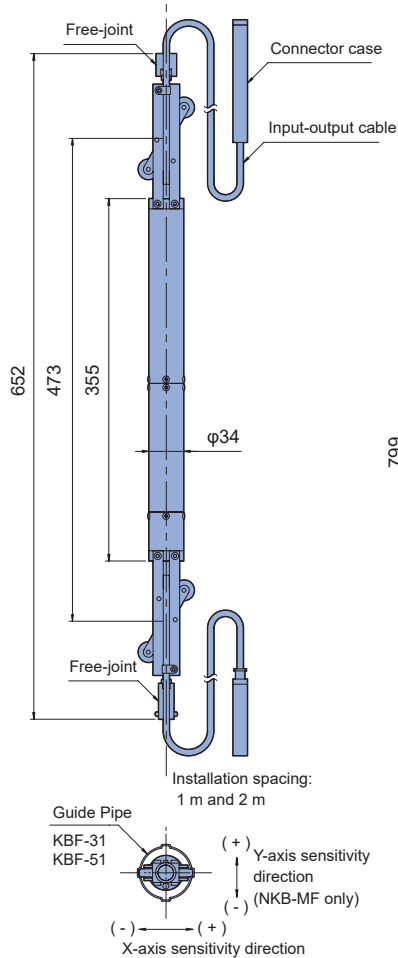
\*1 TDS-540 is only compatible with models with ASW/SSW switch box control unit

\*2 Specifications when using the ND-100 network driver. For other TML-NET compatible measuring instruments, the number of measurement points and extension distance vary depending on the measuring instrument.

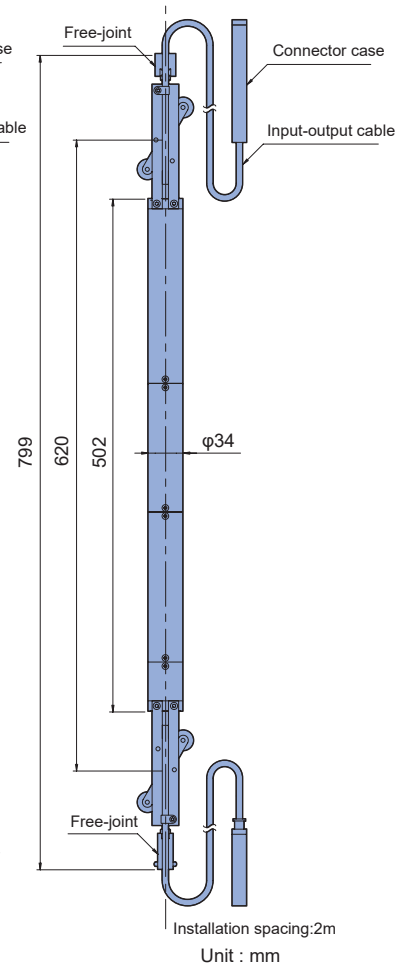
(Portable data logger TS-360, TDS-150-06, monitoring system controller MD-111, handheld measuring instrument TC-35N, network interface NIF-100)

## External Dimensions

NKB-LF(1-axis)



NKB-MF(2-axis)



## Specifications

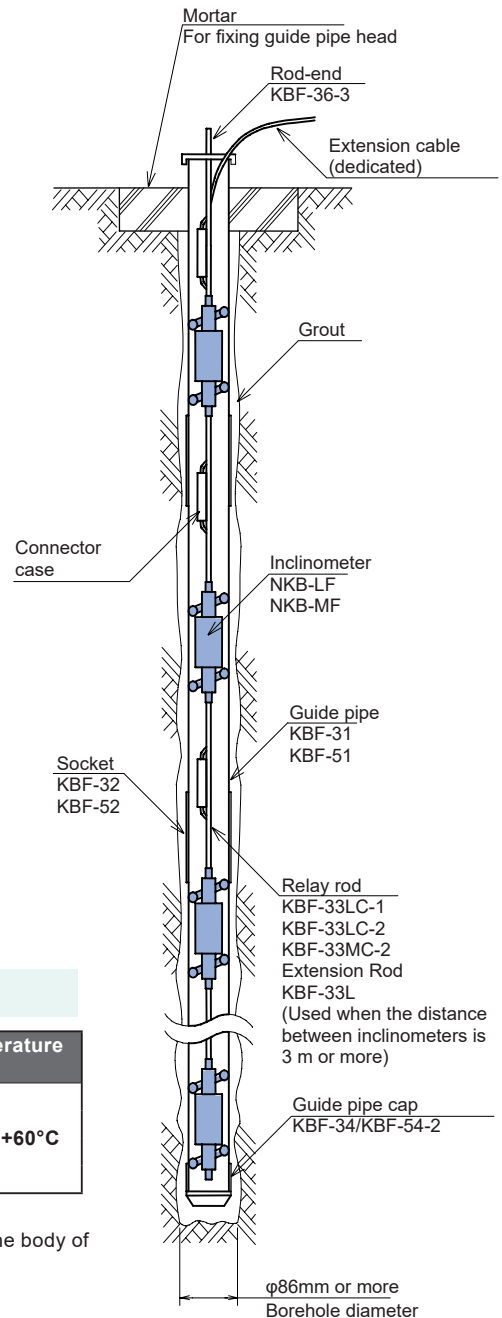
Type	No. of measuring axis	Capacity	Rated indication	Non-linearity	Temperature range
NKB-5LF	1 direction	$\pm 5^\circ$	approx. $\pm 2000$ digit	0.5%RO	-20 to +60°C
NKB-10LF		$\pm 10^\circ$			
NKB-5MF	2 direction	$\pm 5^\circ$			
NKB-10MF		$\pm 10^\circ$			

### Output polarity

The measured value moves in the direction of the arrow indicated on the label on the body of the unit in response to changes in inclination.

## Related products

Example of installation with inclinometer nkb and related products



We also offer extension rods, head caps, rivets, riveters, and demountable pliers. Please contact us for details.



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Design and manufacture of  
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The contents of this catalog are as of December 2025. TML Pam E2022B.



**TML**

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