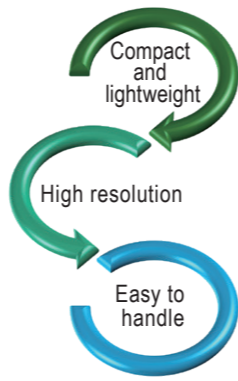


NEW IM-10UA/BA solves the following problems!

- Compact and lightweight
- Reduced installation workload
- Compatible with "TML-NET"
- Small diameter guide tubes



1 Are you having trouble transporting or storing your multi-layer inclinometer?

Compact and lightweight Reduced transportation workload

NEW IM-UA/BA
Eliminated restrictions during transportation of conventional inclinometers!
- Cannot be laid horizontally
- Vulnerable to shock

Transported conventionally in a tall, vertical box.
⇒ Large volumetric weight (transported in a high-top van etc.)

NEW IM-UA/BA
Downsized overall length by 20%
Reduced mass by 43%
*Compared to NKB-MF

IM-UA/BA is compact and OK to lay horizontally
⇒ Space saving by horizontal storage in a box (OK to transport in a station wagon)

2 Why don't you easily automate the multi-layer inclinometers?

Reduced labor/cost during installation/measurement, and maintenance costs resulting from cable deterioration.

A: Insertion-Type Inclinometer

- Only one sensor unit. The measurer moves the sensor position and conducts the measurement.
 - Easy installation
 - No automated/unattended observation
- In the event of long-term measurement:
Increased workload and man-hours

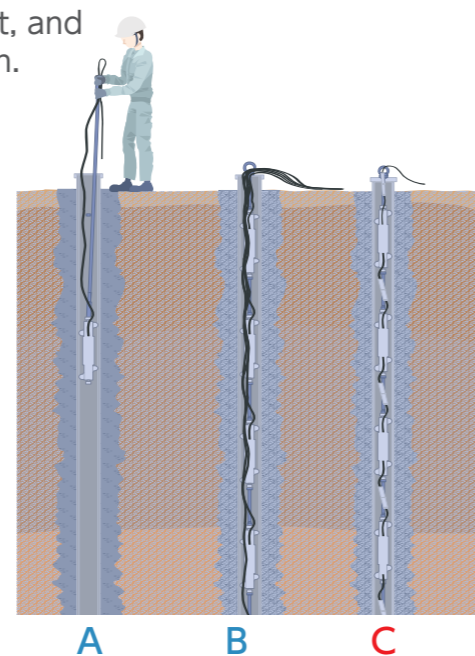
B: Multi-layer Inclinometer

- Equally spaced sensor units
 - Simultaneous measurement of entire measurement length
 - Automated/unattended observation
- Installation workload/costs: Costly maintenance

C: Networkable Multi-layer Inclinometer

- Automated/unattended long-term observation:
- Significant cost savings during measurement
- Maintenance is easy as well

NEW



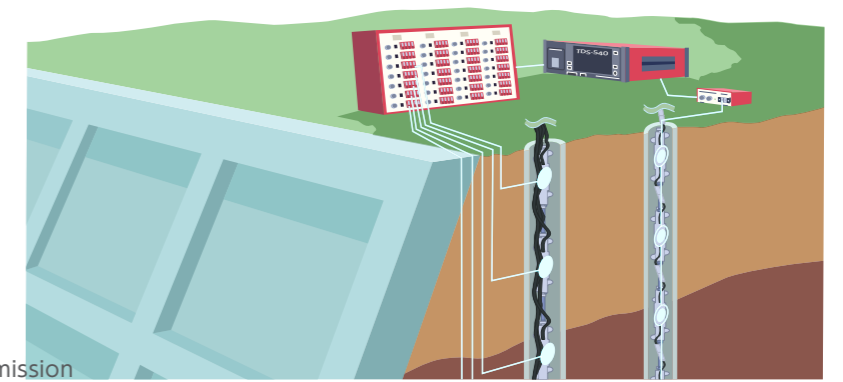
3 Is it troublesome to install a multi-layer inclinometer because of many cables to connect/wire?

Significant reduction in wiring

- Easier adjustment of cable length according to wiring route/depth
- Easy installation even at sites with unfavorable environments

Network-Type Measuring System "TML-NET"

- Equally spaced multiple sensor units along the vertical measurement length
- Cables for sensors are connected to each other for ease of installation
- High noise durability with digital transmission

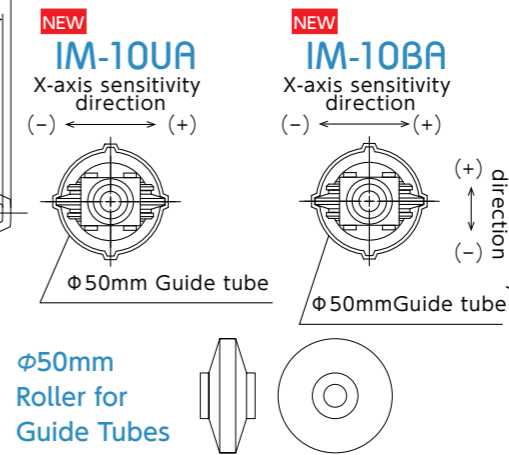
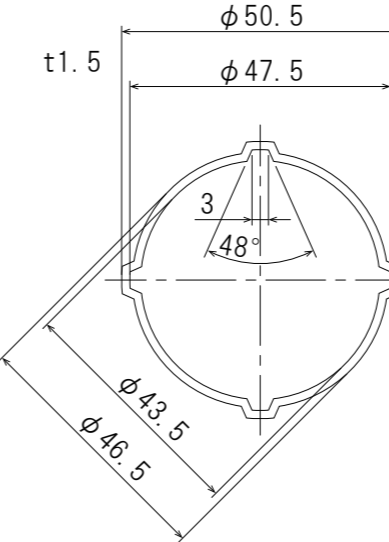
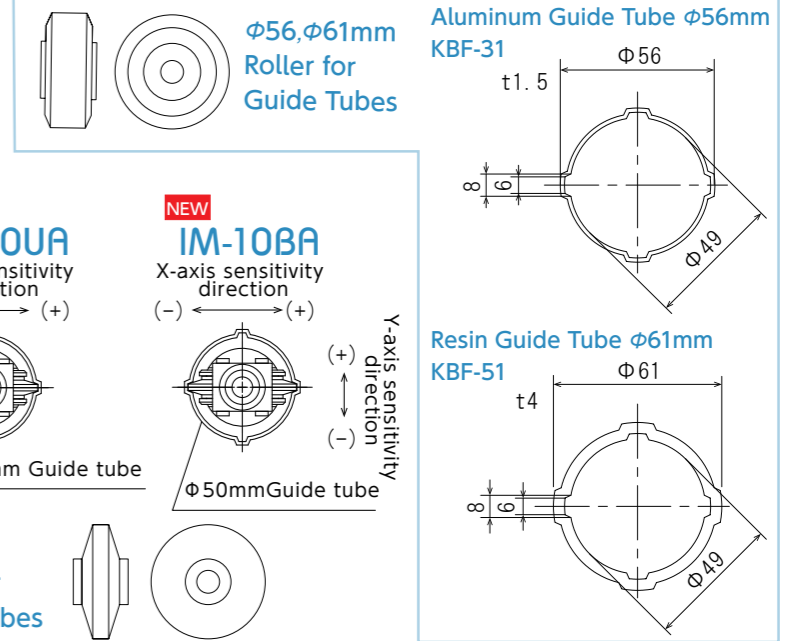


4 The more multi-layer inclinometers, the thicker the guide tube becomes?

NEW Guide tubes for IM-UA/BA

Compatible with small diameters!

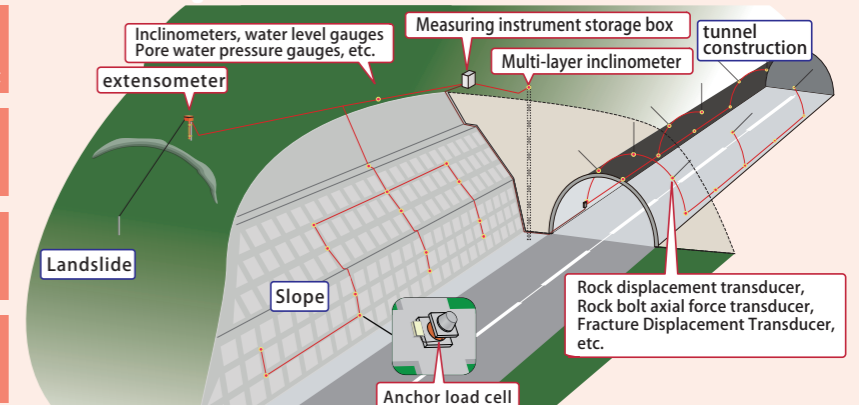
Aluminum Guide Tube $\phi 50\text{mm}$ IM-GP



5 More! Compatible with conventional "TML-NET" measurement systems

Network-type measurement system that realizes significant reduction in wiring and easy expansion of measurement system

- Easy wire connection and branching
- Easy installation by compact and lightweight module unit
- No sensitivity loss caused by cable extension
- Highly resistant to noise due to digital processing in immediate vicinity of sensor
- No influence due to degradation of insulation resistance
- Network module total extension distance maximum 2 km
- Can also be used simultaneously with switch box (when TDS is used)
- Isolated between individual measuring instrument
- Cost reduction by reduced wiring



The network-type measurement system TML-NET has high noise resistance with its decentralized layout and digital transmission and can aggressively be used for on-site measurement in unfavorable environments. Furthermore, additions/branches of measurement points are easy in accordance with the progress of the construction work.