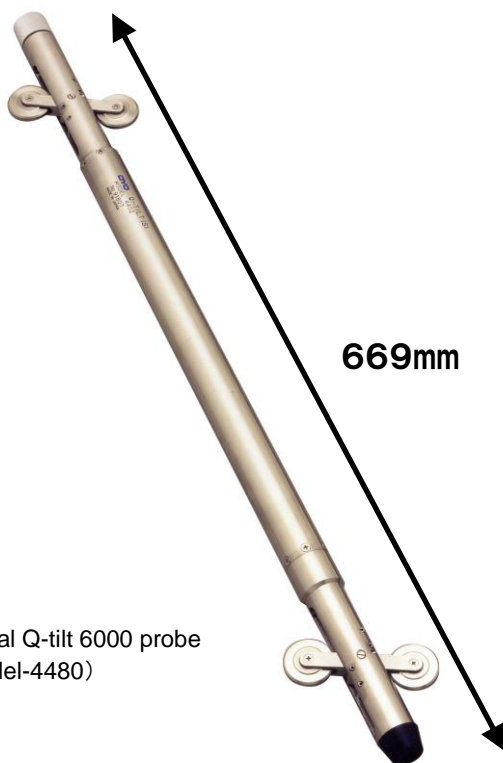


High Precision Digital Borehole Inclinerometer

Digital Q-tilt 6000



Digital Q-tilt 6000 probe
(Model-4480)



Handy logger digital Q-tilt
(Model-4470)

<Abstract>

A new type variable capacity sensor is installed for inclinometer sensor. The Handy logger digital Q-tilt allows to collect and display measurement data.

<Features: Probe>

- Improvement in Impact resistance
Resist up to 6,000G which effects on reducing failures such as misalignment of the zero point.
- Shortening of measurement time
The probe has good temperature characteristics which shortens time of temperature stabilization.

<Features>

- Handy logger digital Q-tilt is designed as water resistance.
- Available to show collected data in numerical graph on the display of Handy logger digital Q-tilt.
- Easy obtainable 4 pcs D cell batteries are used.
- Collected data in CSV data format is convenient to calculate and graph with PC.

<Specifications>

■ Digital Q-tilt 6000 probe (Model-4480)

| | |
|-----------------------|------------------|
| Measuring range | : $\pm 30^\circ$ |
| Linearity | : 0.05%FS |
| Resolution | : < 10 seconds |
| Operating temperature | : 0 to 50°C |
| Wheel space | : 500 mm |
| Impact resistance | : 6000G |

Note: A high precision sensor is installed. Please avoid any impacts on the sensor during measurement and/or transportation.

| | |
|-----------------|--|
| Available cable | : Inclinator cable (less than 160m) *Measuring depth is up to 150m. |
| Dimensions | : Shell diameter $\phi 30\text{mm}$ (without wheel) : Width 88mm : Length 669m |
| Weight | : 1.7 kg (probe only) |

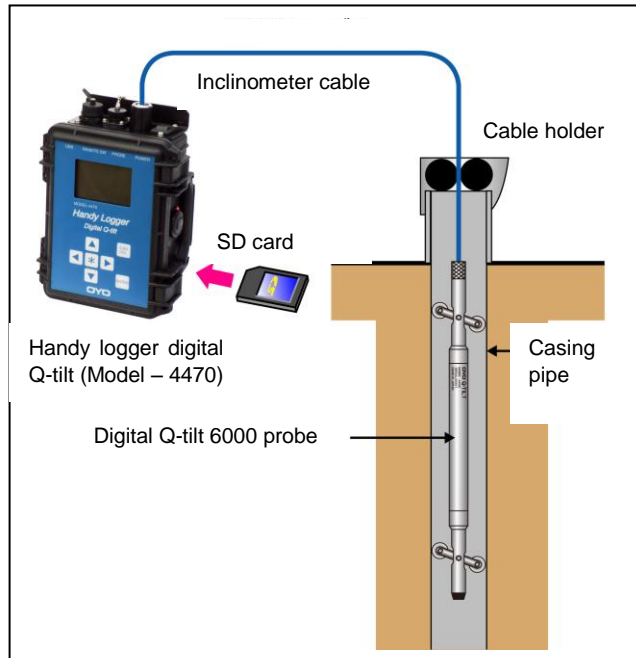
| | |
|---------------------------------------|---|
| Dimension for dedicated carrying case | : 750mm x 125mm x 118mm (without any projected parts) |
|---------------------------------------|---|

■ Handy logger digital Q-tilt (Model-4470)

| | |
|-------------------|---|
| Power requirement | : D cell battery x 4 pcs (4V to 7V) *Resume function will activate at 4.7V. *Rechargeable Nickel Hydride batteries "eneloop" (manufactured by Panasonic) came with as a standard accessory. |
|-------------------|---|

| | |
|-------------------|--|
| Power consumption | : 1) Main unit only with backlight : Less than 0.1A : 2) Main unit with Digital Q-tilt 6000 probe at measuring : Less than 1A *Approx. 6 hours continuous measurement can be done using eneloop batteries. |
|-------------------|--|

| | |
|--------------------------|----------------------|
| Data format | : CSV, PRN |
| Water resistance | : Equivalent to IP43 |
| External recording media | : SD card |



Note: There would be no compatibility for measurement data if the probe is replaced, assessed, or repaired.

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JQA-2772

Please note specifications are subject to change without notice for the improvement.

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