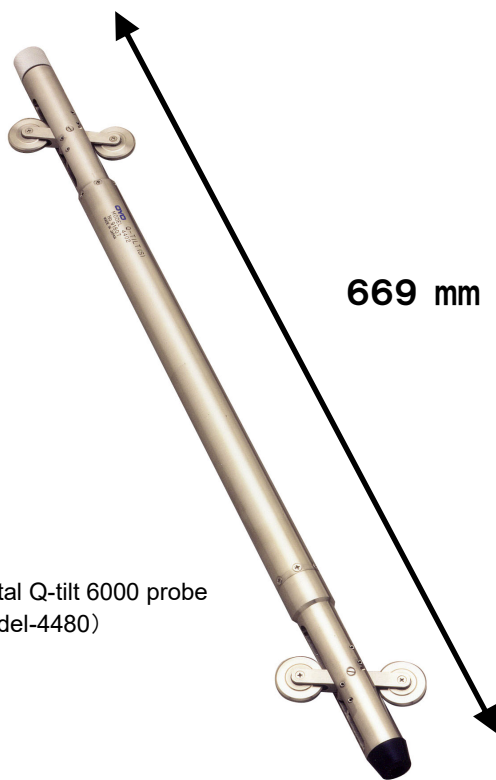


## Digital Borehole Inclinometer for Deformation Monitoring

# Digital Q-tilt 6000 Probe and Handy Logger Digital Q-tilt



Digital Q-tilt 6000 probe  
(Model-4480)

669 mm



Handy logger digital Q-tilt  
(Model-4470)

230 mm

### < 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.

### < Feature >

- Robust and high accuracy
- Shortening of measurement time  
The probe has good temperature characteristics which shortens time of temperature stabilization.
- Available to show collected data as numerical and graph.
- Collected data in CSV data format is easy for calculation and making graph on PC.

## <Specification>

- 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 : 6000 G
  - Available Cable : Inclinator Cable (Less than 160 m)  
\*Measuring depth is up to 150m.
- Dimensions : Shell Diameter  $\phi 30$  mm (Without wheel)  
: Width 88 mm  
: Length 669 mm
- Weight : 1.7 kg (Probe only)
- Dimensions for Dedicated Carrying Case : 750 (W) x 125 (D) x 118 (H) mm

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

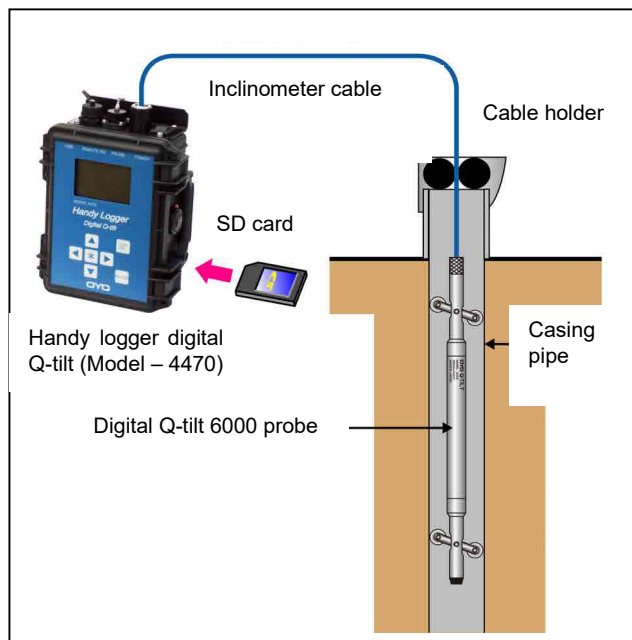
- Handy Logger Digital Q-tilt (Model-4470)
  - Power : D Cell Battery x 4 pcs (4 V to 7 V)  
\*Resume function will activate at 4.7 V.  
\*Rechargeable Nickel Hydride batteries “eneloop”  
(manufactured by Panasonic) came with as a standard accessory.

### Power Consumption

- : 1) Main Unit Only with Backlight : Less than 0.1 A
- : 2) Main Unit with Digital Q-tilt 6000 Probe at Measuring : Less than 1 A

\*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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