

Calibration procedure

Earth Pressure cell, and Pressuremeter

- Geotechnical instrumentations that use the pressure sensor use a calibrator manufactured as hydraulic-pressure chamber.
- When operating the hydraulic-pressure chamber, the measure instrumentation is equipped to the hydraulic-pressure chamber. And the hydraulic-pressure is pressurized and released under the air is leaked.
- Calibrator of hydraulic-pressure chamber have a authorized calibration pressuremeter(high precision). The output value is indicated as digital indicator.
- It is written as Calibration sheet calculating the correlation of pressure – output value using a linear function and a polynomial function.



[Hydraulic calibrator for a pressure measure]

Displacement sensor

- Displacement sensor is calibrated by digital calibrator.
- Digital calibrator has digital micrometer at the end.
- Frame is made of invar(Invariable alloy steel), and there is not the deflection by temperature.
- It is written as Calibration sheet calculating the correlation of displacement – output value using a linear function and a polynomial function.



[Digital calibrator]

Load cell

- Load cell is enforced by authorized and proven 200ton · f & 500ton · f universal testing machine.
- It is calibrated by a notebook computer and 1ch, 4ch Mini logger, or readout unit.
- It is written as Calibration sheet calculating the correlation of load – output value using a linear function and a polynomial function.



[500ton UTM]