

Digital hydraulic calibrator set



Description

The model HC-15S Digital hydraulic calibrator set is a self-calibrating device for calibrating or verifying a piezometer. It combines a hand pump set, a dedicated clamp holder manufactured differently for each model and a digital pressure gauge.

The pressure applied from the pump is directly displayed on the digital pressure gauge, allowing for easy and accurate calibration.

All piezometers provided by our company can be calibrated. Since the clamp holders are different for each model, you must use the dedicated clamp holder.

The calibration method is to pressurize the water in the water tank with a hand pump and then precisely adjust the needle valve in the chamber where the piezometer is combined. Then, the specified water pressure is applied and the response signal according to the pressure is recorded.

Since the model HC-15S digital hydraulic calibrator set uses water as the pressurizing source, it is mostly manufactured with stainless steel.

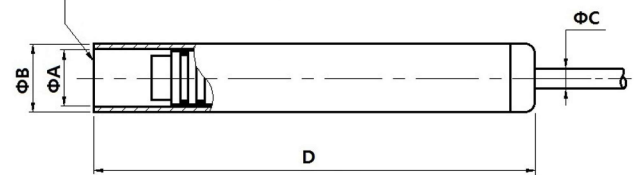
Specification

Model	HC - 15S
Display	Digital pressure sensor
Pressure range	0.001 ~ 5 MPa
Accuracy	±0.025 %FSR
Resolution	0.001 MPa
Liquid used	Clean water equivalent to 10°C at room temperature
Dimensions	527 × 324 × 350 mm
Material	Stainless steel (Pump : brass)
Weight	10 kg

Checkpoints when ordering

- If you want to verify a piezometer from another company by putting it in the calibrator set, you must provide the product dimensions as shown in the table below so that we can manufacture the clamp holder.

After removing the filter case, it is assembled into the dedicated clamp holder, so the filter must be removed.



[Dimensions that require confirmation]

Confirm parts	Unit
ΦA Inner diameter of housing	mm
ΦB Outer diameter of housing	
ΦC Outer diameter of signal cable	
D Total length	
When checking the dimensions, you must check it with the filter case removed.	