

Calibration chamber for thermometers (Liquid bath type)



【 Specifications】

Range : - 85 to + 50[°C]

Accuracy: ± 0.01 [°C]

Dimensions (Internal): $\phi 300 \times H450\text{mm}$

【 Purpose of use 】

This is used to compare and calibrate glass thermometers and the sensors of thermometer equipment such as electrical thermometers whose sensors and recorders can be separated.

【 Characteristics 】

The chamber is filled with a special inert liquid that makes it possible to achieve a temperature of - 85 °C .

Calibration chamber for thermometers (Air chamber type)



【 Specifications】

Range : - 40 to + 50[°C]

Accuracy: ± 0.3 [°C]

Dimensions (Internal): W600 × H850 × D800mm

【 Purpose of use 】

This is used to compare and calibrate thermometer equipment such as bimetal thermographs and radiosondes whose sensors and recorders are integrated and cannot be separated.

Thermal shock test chamber



【 Specifications】

Range: - 40 to + 50[°C], Accuracy: ± 1 [°C]

Rate of temperature increase or decrease between -40[°C] and +50[°C]: within 30 minutes

Dimensions (Internal): W600 × H500 × D800mm

【 Purpose of use 】

This is used to test the durability of instruments such as glass thermometers, electric thermometers etc. against cyclic temperature changes.

Moreover, there is artificial light source equipment used for inspection of a pyranometer and a sunshine duration meter in the upper part.

Calibration chamber for hygrometers (Wet and dry air mixing type)



【 Specifications】

Range : 15 to 95 [%RH]

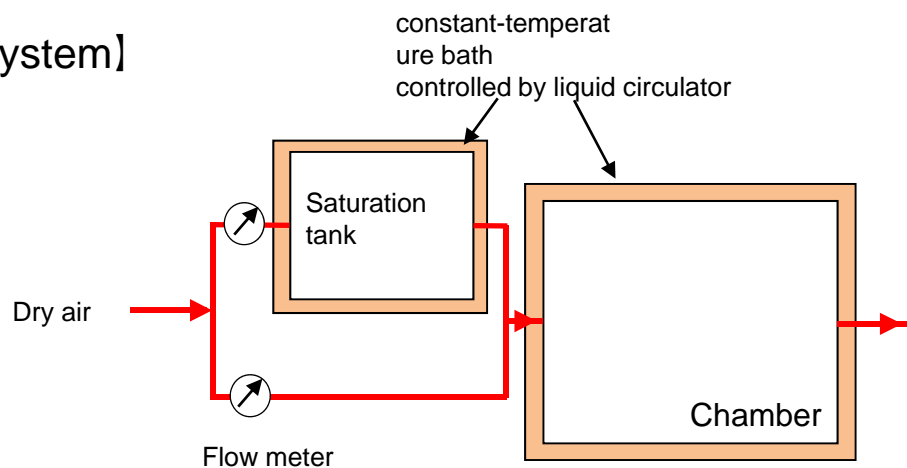
Accuracy: ± 2 [%RH] (at 25 °C)

Dimensions (Internal): W750 × H700 × D700mm

【 Purpose of use 】

This is used to compare and calibrate hygrometers.

【System】



[diagram of system]

Calibration chamber for hygrometers (Wet and dry air mixing type)



【 Specifications 】

Range: 10 to +95 [%RH], Accuracy: ± 0.5 [%RH]

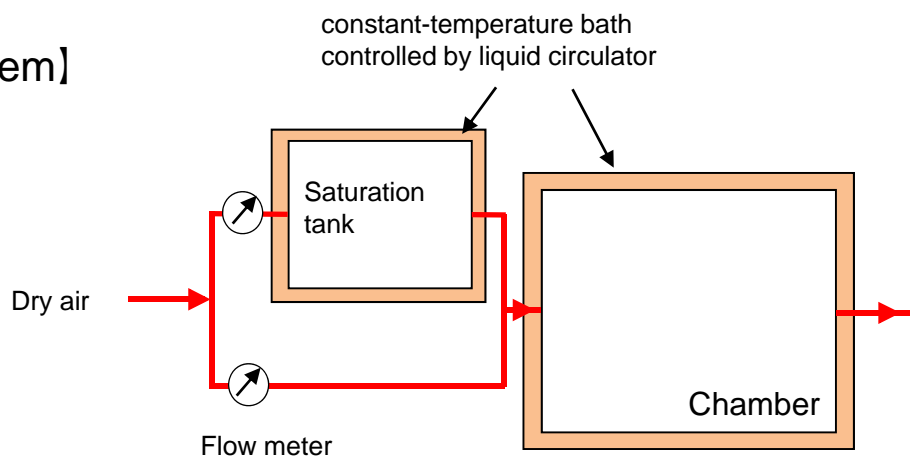
- 10 to + 50 [], Accuracy: ± 0.06 []

Dimensions (Internal): W300 × H300 × D300mm

【 Purpose of use 】

This is used to compare and calibrate chilled-mirror hygrometers, digital hygrometers.

【 System 】



[diagram of system]

Calibration chamber for barometers



【 Specifications】

Range: 4 to 1150[hPa]

Accuracy: ± 0.05 [hPa]

Dimensions (Internal): $\phi 930 \times D700$ mm

【 Purpose of use 】

This is used to compare and calibrate barometers such as aneroid barometers, barographs and barometers of radiosondes.