

AP-12.5Y

Automatic Device for Multichannel Pipette Calibration

Why?

Speed, process automation, cost reduction.

For whom?

Accredited calibration laboratories,
calibration centres, pipette manufacturers.

What do you gain?

Time and money.

Calibration of a 12-channel pipette will take 1.5 hours rather than 6 hours.



Semi-automatic levelling system

The AP-12.5Y prompts the user in which direction to level the balance. This shortens the entire process.

Ergonomic mechanical design

The AP-12.5Y allows you to empty weighing vessels, and Ambient Light alerts you when they are overfilled.

Full compliance with ISO 8655

The AP-12.5Y software allows pipettes to be calibrated in accordance with ISO 8655 criteria.

Ambient conditions monitoring

Calibrated THB P and THB W sensors, according to ISO 8655.

Ambient Light

One look and everything's clear. Ambient Light alerts signal the need to empty the weighing vessels.

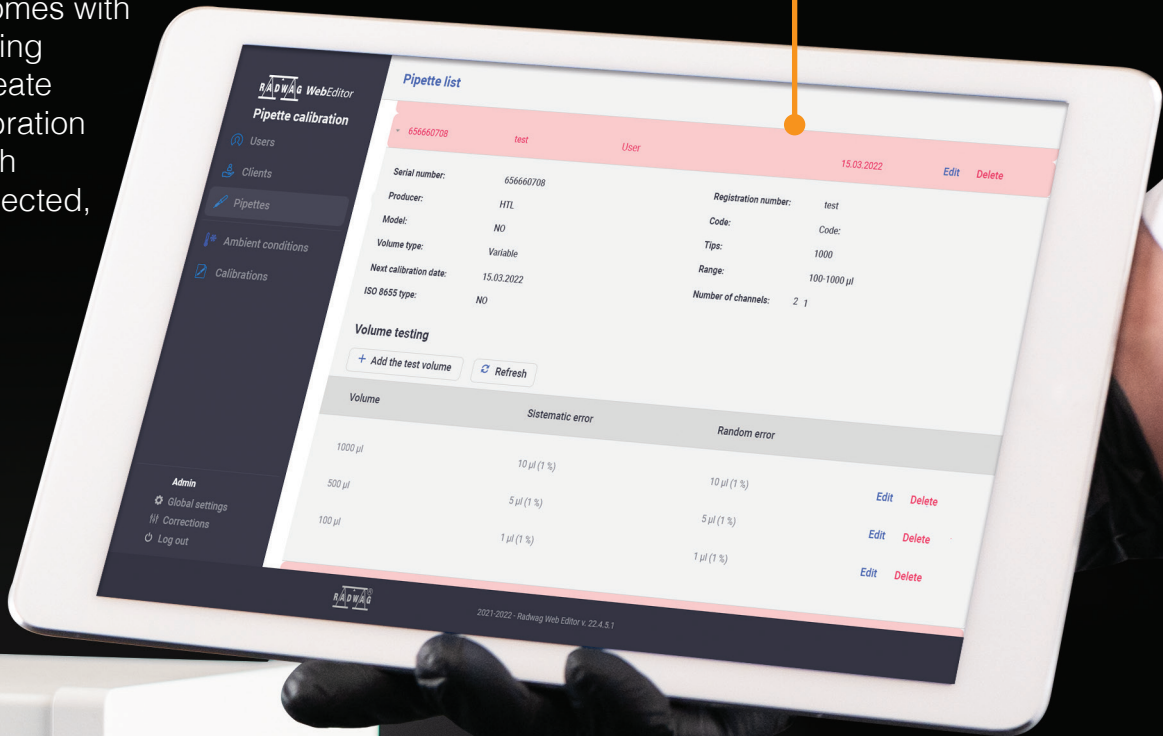
Editable pipette and report databases

- Database of pipettes with permissible error values by ISO 8655
- Database of pipette calibration reports with measurements and calculated error values for particular points and volumes



Tablet as standard

The device comes with a tablet, allowing the user to create a pipette calibration order and, with a printer connected, print a report.



Optimised calibration process

Fully automated calibration process, eliminating human errors.

Calibration of 1-channel pipettes

Calibration of 1-channel pipettes is possible by using an additional evaporation ring in place of the case for 12-channel pipettes.

Minimum calibration process time

The AP-12.5Y checks all pipettes in one cycle after emptying a 12-channel pipette.

THB W liquid temperature sensor

The temperature of liquid can be measured using the calibrated THB W sensor.

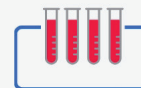
Calibration weighing pan

As standard equipment, a weighing pan for checking and calibrating the balance is included.



Alerts

The AP-12.5Y alerts the user when the balance needs to be levelled or the evaporation ring needs to be filled, as well as when abnormal ambient conditions occur.

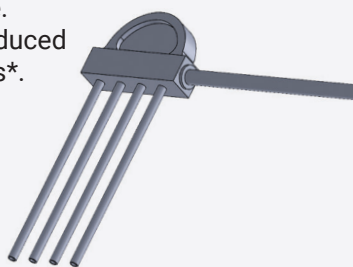


Check the balance level status !

Accept

Four times faster

- The pump draws water from four measuring vessels at the same time.
- The procedure time is reduced from 6 hours to 1.5 hours*.



*Applies to a 12-channel pipette.

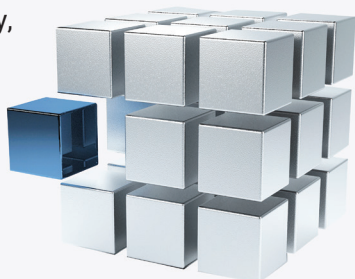
Supplementary case

Calibration of 1-channel pipettes is possible by replacing the case for 12-channel pipettes with an additional evaporation ring.



21 CFR Part 11 Audit Trail

Compliance with 21 CFR Part 11 means full data security, electronic records and signatures, audit trails, and validations.



Single and multichannel pipette calibration

- Calibration of multichannel pipettes from 1 μ l and 1-channel pipettes
- Calibration of up to 12-channel fixed-volume and variable-volume pipettes
- Automated calibration
- [d] 0.01 mg



Technical Specifications	AP-12.5Y
Maximum capacity [Max]	21 g
Readability [d]	0.01 mg
Repeatability (5% Max)	1.3 μ g
Minimum weight (USP)	2.6 mg
Linearity	± 0.02 mg
Stabilization time	~ 3.5 s
Adjustment	2-point internal
Case with evaporation ring	12-channel, 1-channel
Communication interfaces	USB-A $\times 2$, USB-C, HDMI, Ethernet, Hotspot, Wi-Fi [®]

Wi-Fi[®] is a registered trademark of Wi-Fi Alliance.