



Sartorius
Pipette Calibration
Easy, do-it-yourself
gravimetric
pipette testing

Sartorius pipette calibration: Totally accurate, efficient and independent – with the YCP03-1 Pipette Calibration Set.

Save time and money!

Pipettes are gauges used as inspection, measurement and test equipment. GLP standards and European Standards require pipettes to be tested at defined intervals to ensure their continued proper functioning. Quick testing must also be performed between these intervals. Having pipette calibration performed externally can be expensive and time-consuming. Reserve pipettes must also be available to maintain routine operations. The equipment for performing the required quick tests is not even available in many cases.

Now you can calibrate your pipettes yourself quickly and inexpensively with the YCP03-1 Pipette Calibration Set from Sartorius.

Equipment supplied:

- CD with Picaso software
- Evaporation trap
- Balance adapter
- Reduction fitting for 6-ml sampling chamber
- Reduction fitting for 21-ml sampling chamber
- Three 6-ml sampling chambers
- Three 21-ml sampling chambers
- Cable for connecting the balance to a PC
- Centering disk for the evaporation trap
- Carrying case

Procedure.

The liquid taken up in the pipette is weighed on a balance. The volume of the liquid is calculated from its weight and density and compared with the nominal volume for the pipette. The evaporation trap maintains the humidity at 60–90%, thus preventing loss of liquid from the sampling chamber. The balance transmits the weight to the PC, where the Picaso software performs all the required calculations automatically. At the end of each measurement, the calibration results are printed out as a GLP-compliant report.



With Picaso, you can test pipettes in accordance with industry standards, including ASTM, British Standard, and ISO 8655. You can also perform quick-test procedures and even create your own testing plans. But that's not all – Picaso offers much more! Picaso saves all relevant technical specifications of each pipette independently of the pipette manufacturers, and enables you to retrieve these specs at any time. Data stored from measurement series can be evaluated in graphs. Picaso monitors the defined test cycles and lets you know which pipettes are due for calibration.

- Measurement data saved at a click of the mouse
- Program includes specifications on more than 400 pipette types
- Measurements in accordance with ASTM, British Standard and ISO 8655
- Individual pipettes inventoried
- Data records are GLP-compliant and include mean, (in)accuracy, (in)precision, and standard deviation
- Statistics displayed in graphs
- Time-controlled functions for monitoring calibration cycles
- On-line help for all functions

Picasso requires a Windows®, 95/98/NT compatible PC with 2 RS-232 interface ports for the mouse and interface cable, 64 MB RAM and at least 20 MB of free hard disk space.



Sartorius pipette calibration: ME/MC/CP balances from Sartorius – perfect solutions for all your weighing tasks.

Overview of balance models

Model	Weighing capacity (g)	Readability (mg)
ME215S	210	0.01
ME215P	60/110/210	0.01/0.02/0.05
ME215P-SD (with short-design draft shield)	60/110/210	0.01/0.02/0.05
ME414S	410	0.1
CP225D*	80/220	0.01/0.1
MC5	5	0.001
Accessories	Order number	
Special draft shield and evaporation trap for MC5 balances	VF988	
Short-design draft shield for CP225D	VF2396	

* only in conjunction with VF2396

Optimize your pipette calibration workstation.
With the YCP03-1 Pipette Calibration Set, you can save time, money, and work. Of course, you need to choose the best balance for your needs to benefit from all these advantages.

The balances of the ME Series from Sartorius are ideal for gravimetric testing of the volume of any pipette size. All of these balances are equipped with a quiet, motorized draft shield, which is automatically opened and closed by the Picaso software. This ensures stable ambient conditions that are necessary for obtaining precise measurements and reproducible results.

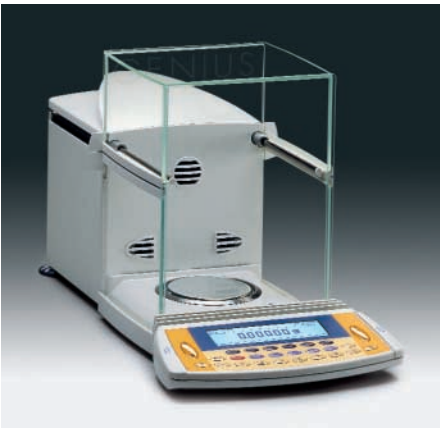
If you need a balance for other uses as well...
...the microbalances and semi-microbalances are the right answer for you. The evaporation trap can be installed quickly and easily, and just as conveniently removed again.

If your balance will mainly be used for pipette calibration...
...then you can have an ME series balance equipped at the factory with a top-opening, short-design draft shield. With this solution, you won't need to open and close the draft shield for pipetting, which means you save even more time. You can also use this balance for other purposes, even with the shorter draft shield.

For measuring the smallest volumes...
...Sartorius offers the MC5 microbalance, for calibrating pipettes with volumes <10 µl. For the first time, you can calibrate pipettes with the smallest volumes.



CP225D balance with short-design draft shield.



ME balance with standard draft shield.



ME215P-SD balance with short-design draft shield.



MC5 microbalance, evaporation trap with reservoir for test liquid. Special draft shield for easy access from above.



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