

ATMOS -
Pipette Accuracy Tester

unipix
Innovative laboratory solutions

THE REVOLUTION for pipette testing

- Works exclusively with air
- Results in less than 30 s
- See dispensed volume
- Leak measurement
- High accuracy
- Print-out of results
- Stand alone



Quick pipette testing in 4 simple steps

The daily check of the accuracy of your pipettes with ATMOS allows a continuous monitoring of performance between the usual calibration procedures.

ATMOS is measuring, in dry conditions, the exact displacement volume as well as the leak of the pipette.

The measurement data are stored in the instrument and can be downloaded on a computer or printed out directly for long-term pipette performance monitoring.

1
Select test
volume



2
Insert
pipette tip



3
Press and
release (10 sec.)



4
Read volume
and leak

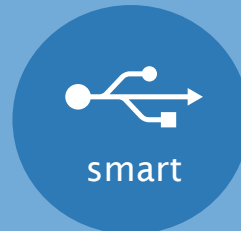


Advantages at a glance :

- Quick and simple procedure
- No liquid handling
- ATMOS is factory-calibrated, no need for re-calibration
- The random error of ATMOS measurements are similar to those obtained by gravimetry measurements
- Connection to printer possible for direct printing of results
- Pipette monitoring software via USB connection
- 1-channel and multiple-channel version available

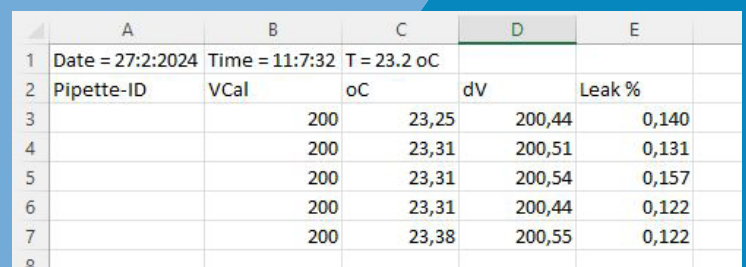
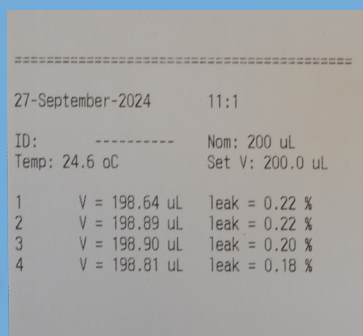
Test your pipettes between calibration cycles

With ATMOS, you can easily test your pipette between calibration cycles. Normal wear and tear causes shifts in the pipette's performance. You want to make sure that you monitor these changes, so you avoid using pipettes that might produce questionable data. After all, it is your experimental result that is affected.

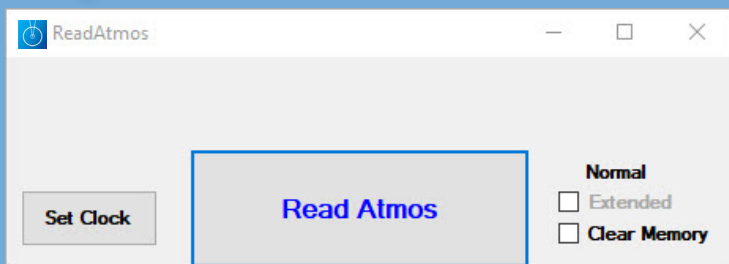


Direct printout

ATMOS can be connected to a thermo or needle printer and you can print your results either directly after your measurement or at a later point in time. The printout will show all parameters (dispensed volume and leak).



	A	B	C	D	E
1	Date = 27:2:2024	Time = 11:7:32	T = 23.2 oC		
2	Pipette-ID	VCal	oC	dV	Leak %
3		200	23,25	200,44	0,140
4		200	23,31	200,51	0,131
5		200	23,31	200,54	0,157
6		200	23,31	200,44	0,122
7		200	23,38	200,55	0,122
8					



ReadATMOS Pipette monitoring software

The ReadATMOS software facilitates the download of the stored data from the ATMOS device. Data is then displayed in Excel®-files, so you can easily analyze and further use them.

Documentation and observation of long-term performance of your pipette becomes as simple as it can be.

For single-channel and multiple-channel pipettes

ATMOS is available for single-channel pipettes and 8-channel pipettes.

With both versions, you get the same level of information. Even for your 8-channel pipette, you get data on volume and leakage for each individual channel.

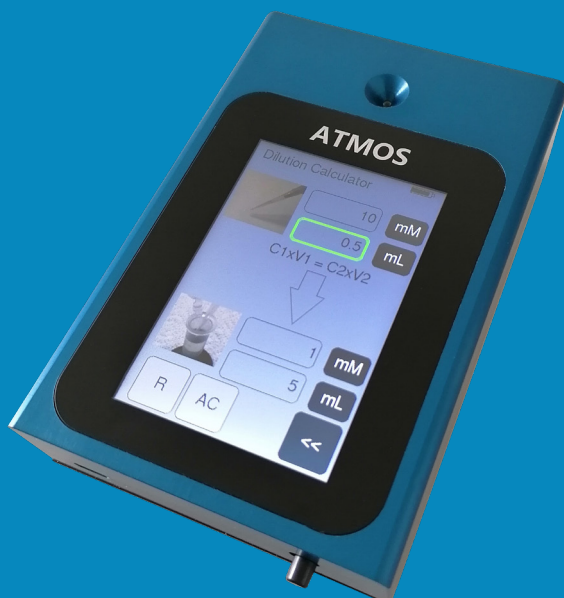
You can thus easily identify e.g. defective pipette tips or generally a mis-functioning pipette.



Accuracy and leak

With ATMOS, you get the most information on your pipette: from the same measurement, you get detailed information on the dispensed volume as well as on leakage.

Color bars indicate a OK/Fail according to ISO norms, but you also get the exact data, so you can evaluate for yourself.



More than pipette testing

ATMOS not only measures the accuracy of your pipette, but also is a helpful assistant for daily laboratory calculations.

ATMOS will support you in:

- Molarity calculations
- Dilution calculations
- Serial dilution calculations
- Standard calculator

Just insert your given parameters and ATMOS will calculate e.g. the needed volume of compound and solvent for your serial dilution.

Do you know the current condition of your pipettes?

For sure, you send in your pipettes regularly for calibration service. But do you know what happens in between? With ATMOS you can test your pipette:

- on a daily basis
- for accuracy and leakage
- in less than 30 seconds
- without liquid

Always consider:

- pipettes are high performance instruments
- they are the starting point of your experiment
- they require regular testing to ensure correct functioning
- you want to avoid using pipettes that might produce questionable results

With ATMOS, you can test your pipette for accuracy and leakage every day before starting your work.





Innovative laboratory solutions

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Technical specifications:

Volume range	2µl to 1250µl
Dimensions	127,8 x 85,6 x 28,5 mm
Weight	420 g
Power supply	5V DC, 2A, USB-C connector
Operational temperature	from 10 °C to 40°C
Altitude	from sea level up to 3500m

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