

ATMOS -
Pipette Accuracy Tester

unipix

Innovative laboratory solutions

ATMOS - Instant Confidence in Every Pipette



Fast. Precise. Liquid-free pipette verification.

Fast Testing, Reliable Data

Professional monitoring made simple.

ATMOS measures the exact displacement volume and leakage in dry conditions. It allows a continuous monitoring of pipette performance between the usual calibration procedures.

All results are stored and can be printed or downloaded for long-term performance tracking.

1
Select test
volume



2
Insert
pipette tip



3
Press and
release (10 sec.)



4
Read volume
and leak



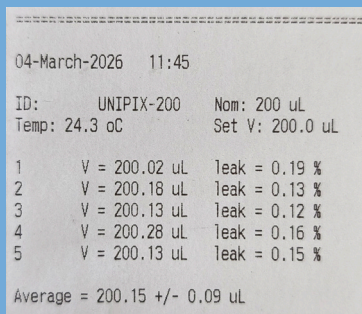
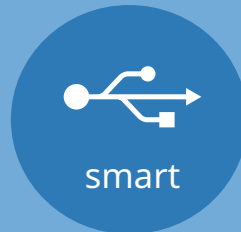
Advantages at a glance :

- Simple, rapid procedure
- Factory-calibrated system
- Precision comparable to gravimetric methods
- Direct printer connection
- USB monitoring software
- Stand-alone operation

Test Pipettes Between Calibration Cycles

Know your pipette. Every day.

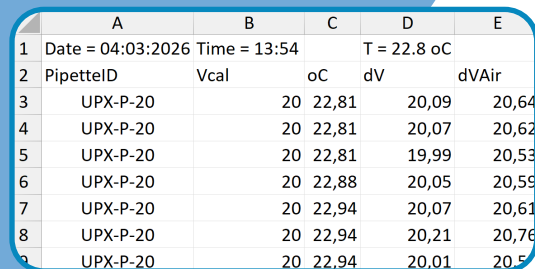
Normal wear and tear gradually affects pipette performance. Routine checks with ATMOS help detect these changes early, preventing unreliable measurements from impacting your results. Continuous monitoring safeguards experimental quality and consistency.



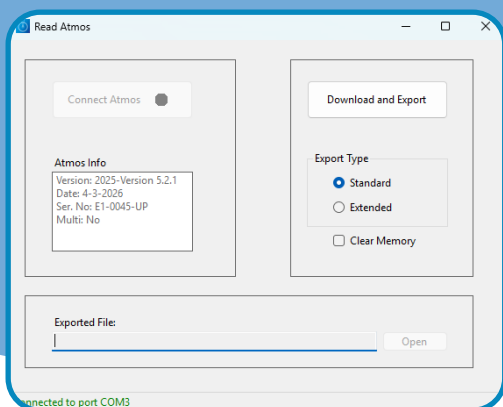
04-March-2026 11:45		
ID: UNIPIX-200	Nom: 200 uL	
Temp: 24.3 oC	Set V: 200.0 uL	
1	V = 200.02 uL	leak = 0.19 %
2	V = 200.18 uL	leak = 0.13 %
3	V = 200.13 uL	leak = 0.12 %
4	V = 200.28 uL	leak = 0.16 %
5	V = 200.13 uL	leak = 0.15 %
Average = 200.15 +/- 0.09 uL		

Direct Printout

ATMOS can be connected to a thermal or needle printer. Results can be printed immediately after measurement or stored and printed later. Each printout includes complete performance parameters, including dispensed volume and leakage.



	A	B	C	D	E
1	Date = 04:03:2026	Time = 13:54		T = 22.8 oC	
2	PipetteID	Vcal	oC	dV	dVAir
3	UPX-P-20	20	22,81	20,09	20,64
4	UPX-P-20	20	22,81	20,07	20,62
5	UPX-P-20	20	22,81	19,99	20,53
6	UPX-P-20	20	22,88	20,05	20,59
7	UPX-P-20	20	22,94	20,07	20,61
8	UPX-P-20	20	22,94	20,21	20,76
9	UPX-P-20	20	22,94	20,01	20,5



ReadATMOS Pipette Monitoring Software

The ReadATMOS software allows easy download of stored measurement data. Results are exported as Excel® files for convenient analysis, documentation, and long-term performance monitoring.

Tracking pipette performance becomes straightforward and efficient.



Complete Performance Insight

One measurement. Total clarity.

Each test provides detailed data on both volume and leakage. Visual OK/Fail indicators support quick evaluation according to ISO standards, while exact values allow in-depth analysis.



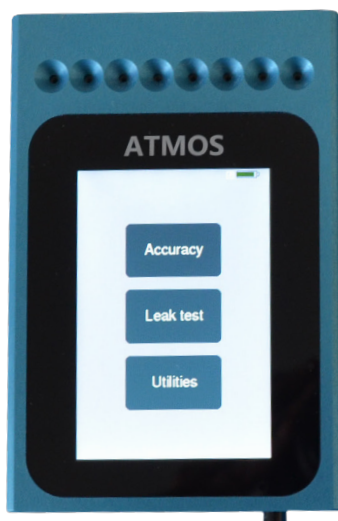
For Single- and Multi-Channel Pipettes

ATMOS is available for single-channel, 8-channel, and 12-channel pipettes.

All versions deliver the same detailed level of analysis. Multi-channel models provide individual channel data for both volume and leakage, enabling rapid identification of defective tips or malfunctioning channels.

ATMOS-Multi is designed for maximum flexibility in pipette testing. With support for 1-, 8-, and 12-channel pipettes, a single system covers the full range of common laboratory pipettes.

This means you can test different pipette formats without changing equipment, simplifying workflows and saving time. Clearly marked ports guide correct channel placement and ensure quick, reliable measurements.



ATMOS-8



ATMOS-1



ATMOS-Multi

Know Your Pipettes — Every Day

Because precision starts at the source.

Pipettes are critical high-performance instruments. Even small performance shifts can affect your results. ATMOS lets you verify pipette condition between calibration cycles — quickly and without liquid.

- Daily performance checks
- Accuracy and leak testing
- Results in <30 seconds
- No liquid handling required



Continuous Monitoring Between Calibrations

Protect your data. Trust your tools.

Routine ATMOS testing detects wear and performance drift before it affects your experiments. Built-in storage and monitoring software simplify documentation and long-term observation.

ATMOS — Smart pipette testing for dependable science.



Innovative laboratory solutions

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Technical specifications:

Volumerange

2µl to 1250µl

Dimensions

ATMOS-1: 128 x 85,8 x 28,4 mm

ATMOS-8: 128 x 85,8 x 28,4 mm

ATMOS-Multi: 131 x 131 x 28,4 mm

Weight

ATMOS-1: 408 g

ATMOS-8: 432 g

ATMOS-Multi: 785 g

Power supply

5V DC, 2A, USB-C connector

Operational temperature

from 10 °C to 40 °C

Altitude

from sea level up to 3500m

Distributed by:

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