

LEAK TESTER *AD-1690*

Ideal for screening out damaged micropipettes!



Most pipette failures happen due to damaged seals, o-rings, pistons or tip-holders compromising the airtightness of the pipettes. With the AD-1690 leak tester, you can instantly determine whether a pipette needs repairing or not.



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A&D Company, Limited
<http://www.aandd.jp>



LEAK TESTER

AD-1690

The AD-1690 is designed to test for leakage in small pumps, containers, piping (capacity up to approx. 50 ml), and especially micropipettes.

Quick Testing

Completes leak testing in less than 5 seconds.

Leak Detection by Depressurization*

Changes pressure by evacuating air instead of injecting it, so no dust enters the measured object.

Replaceable Air Filter

Protects the leak tester from dust when it intakes air and is easily replaced.

RS-232C Interface

Outputs data to a PC or an A&D peripheral device such as the AD-8121B or AD-1688.

Three Types of Attachments

Covers three different tip sizes of pipettes, with capacities ranging from 2 μ L to 10,000 μ L.

* A pressurization method is available upon request.



Air Filter Unit



Three Types of Attachments

Specifications

Depressurization value	-20 kPa $\pm$ 20% (Fixed)
Pressure tolerance inside instrument	+0.2 kPa / 10 seconds
Leak test conditions	Pressure tolerance setting: +0.1~+20 kPa (Unit: 0.1 kPa) Monitoring time: From 1 second (Unit: 0.5 seconds)
Pump operation time	Up to 6 seconds
Dimensions	(W) 231 mm $\times$ (D) 126 mm $\times$ (H) 78 mm
Weight of the main unit	Approx. 570 g

Options

- AD-1690-01** Replacement tube set
(Adaptor $\times$ 1, attachment $\times$ 3)
- AD-1690-02** Replacement filter set
(Filter unit $\times$ 1, filter element $\times$ 10)
- AD-1682** Rechargeable battery
- AD-1688** Weighing data logger*
- * Leak test data can also be stored.

Pipette Accuracy Testers (sold separately)

Our pipette accuracy testers are useful for finer checking of pipette accuracy and repeatability. Even when a pipette has no leakage, it can become inaccurate overtime.

Along with the AD-1690, pipette accuracy testers provide a simple and cost-effective means to maintain the accuracies of your pipettes.

(Three models are selectable depending on the required precision of your testing. The flagship model, the AD-4212B-PT, can test micropipettes with a capacity of 2 μ L.)

AD-4212B-PT



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