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.
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 µL to 10,000 µL.

* A pressurization method is available upon request.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depressurization value</td>
<td>~20 kPa ± 20% (Fixed)</td>
</tr>
<tr>
<td>Pressure tolerance</td>
<td>+0.2 kPa / 10 seconds</td>
</tr>
<tr>
<td>Leak test conditions</td>
<td>Pressure tolerance setting: +0.1–+20 kPa (Unit: 0.1 kPa) Monitoring time: From 1 second (Unit: 0.5 seconds)</td>
</tr>
<tr>
<td>Pump operation time</td>
<td>Up to 6 seconds</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(W) 231 mm × (D) 126 mm × (H) 78 mm</td>
</tr>
<tr>
<td>Weight of the main unit</td>
<td>Approx. 570 g</td>
</tr>
</tbody>
</table>

### Options
- **AD-1690-01** Replacement tube set (Adaptor × 1, attachment × 3)
- **AD-1690-02** Replacement filter set (Filter unit × 1, filter element × 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 over time.

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 µL.)

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![Image of leak tester](image-url)

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**AD-1690-ADHC-01-PR1-1325**