

## Test stand for oxygen components and regulators

### > OXR3-A <



This test stand is developed to test oxygen components and regulators of all current aircraft and characteristics e.g. proof pressure, flow and leak rate.

It is easy to adapt this test stand for any new requirement.

- > The vacuum chamber is used to simulate different flight levels. Thus it tests the performance of the UUT's under realistic flight conditions.
- > Different test setups can be easily made using the quick connect multi-variable pressure and measuring points.
- > The pneumatic diagram is shown on the anodized control panel. This enables a quick and easy to use test set up to be carried out.
- > The connections are all quick release so that the required test set up can be easily made.

## GENERAL INFORMATION

- > All accessories can be stored in the provided drawers
- > Measurement results are displayed clearly by means of the pc and the Test-Fuchs standard software
- > The equipment is of an ergonomic and compact design
- > Doors and access panels enable easy access for maintenance

## TECHNICAL DATA

<p>&gt; <b>Electrical supply (requirements):</b></p> <p>Mains connection: 1/N/PE AC 50Hz 230V                      Nominal current: 11A                      Back-up fuse: 16A                      Nominal power: 2.5kVA</p>	<p>&gt; <b>Measurement range:</b></p> <p>Pressure:</p> <table border="0"> <tr> <td>0 to 35bar</td> <td>(0 to 507psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>0 to 240bar</td> <td>(0 to 3480psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>-30 to 130mbar</td> <td>(-435 to 1885mpsi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>0 to 2bar</td> <td>(0 to 29psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>0 to 40bar</td> <td>(0 to 580psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>0 to 250bar</td> <td>(0 to 3626psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>0 to 50bar</td> <td>(0 to 725psi)</td> <td>±0.25% m.r.</td> </tr> <tr> <td>100 to 1200mbar</td> <td>(1.5 to 17.4psi)</td> <td>±0.15% m.r.</td> </tr> </table> <p>Differential pressure:</p> <table border="0"> <tr> <td>1.2bar absolute</td> <td>(17.4psi absolute)</td> <td>±0.5% m.r.</td> </tr> </table> <p>Temperature:</p> <table border="0"> <tr> <td>0 to 100°C</td> <td>(32 to 212°F)</td> <td>±1K</td> </tr> </table> <p>Flow:</p> <table border="0"> <tr> <td>0 to 250l/min</td> <td>(0 to 0.008scfm)</td> <td>±1% o.f.s.</td> </tr> <tr> <td>0 to 2400l/min</td> <td>(0 to 79scfm)</td> <td>±1% o.f.s.</td> </tr> <tr> <td>0 to 20l/min</td> <td>(0 to 0.7acfm)</td> <td>±2% o.f.s.</td> </tr> <tr> <td>0 to 210l/min</td> <td>(0 to 7.4acfm)</td> <td>±2% o.f.s.</td> </tr> </table> <p>m.r. measuring range                      o.f.s.: of full scale                      l: standard liter                      min standard milliliter                      scfm standard cubic feet per minute                      (21.1°C, 1013mbar)                      acfm actual cubic feet per minute</p>	0 to 35bar	(0 to 507psi)	±0.25% m.r.	0 to 240bar	(0 to 3480psi)	±0.25% m.r.	-30 to 130mbar	(-435 to 1885mpsi)	±0.25% m.r.	0 to 2bar	(0 to 29psi)	±0.25% m.r.	0 to 40bar	(0 to 580psi)	±0.25% m.r.	0 to 250bar	(0 to 3626psi)	±0.25% m.r.	0 to 50bar	(0 to 725psi)	±0.25% m.r.	100 to 1200mbar	(1.5 to 17.4psi)	±0.15% m.r.	1.2bar absolute	(17.4psi absolute)	±0.5% m.r.	0 to 100°C	(32 to 212°F)	±1K	0 to 250l/min	(0 to 0.008scfm)	±1% o.f.s.	0 to 2400l/min	(0 to 79scfm)	±1% o.f.s.	0 to 20l/min	(0 to 0.7acfm)	±2% o.f.s.	0 to 210l/min	(0 to 7.4acfm)	±2% o.f.s.
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<p>&gt; <b>Pneumatical supply (requirements):</b></p> <p>Medium: Compressed air / Nitrogen                      Pressure: approx. 207bar (3000psi)                      Flow: min. 1000lpm (260gpm)</p>																																											
<p>&gt; <b>Operating conditions:</b></p> <p>Operating temp.: +5 to +45°C (41 to 113°F)                      Altitude: up to 1000m (3280ft) above SL                      Humidity: 10% to 95%                      (non-condensing)</p>																																											
<p>&gt; <b>Dimensions and weight:</b></p> <p>Test stand:</p> <p>Length: 2.244mm (7.36ft)                      Depth: 1.249mm (4.10ft)                      Height: 1.504mm (4.93ft)                      Weight: approx. 550kg (1.213lb)</p> <p>Vacuum chamber:</p> <p>Length: 540mm (1.77ft)                      Depth: 255mm (0.83ft)                      Height: 360mm (1.18ft)</p>																																											

Technical data are subject to change!