

Oxygen regulator operational tester

> OXR100 <



Developed to perform aircraft oxygen regulator tests for aircraft types F4, F5, C-130 and C-160.

Can be adapted for regulators of other aircraft types.

- > The vacuum chamber serves for simulation of altitude to test performance of the oxygen regulator tester under real ambient conditions.
- > Freely connectable measurements and supplies permit a multiplicity of different test set ups.
- > The pneumatic scheme is shown on the anodized aluminium front panel, this way a quick and well arranged test set up is given.
- > Connections are designed as couplings to establish required connections in a fast and safe manner.

RANGE OF APPLICATION

CRU series, MD2 series

MISCELLANEOUS

- > Relevant accessories (e.g. test hoses) can be stored in a box, which is installed in the test bench.
- > Lifting provisions (accessible after removal of the lower cover), which allow transportation by forklift.
- > The vacuum pump is mounted on anti-vibration elements.

TECHNICAL DATA

<p>> Test medium:</p> <p>Oxygen (MIL-O-27210, type I) Nitrogen (optional) Air (optional)</p>	<p>> Measurements:</p> <p>Pressure:</p> <table border="0"> <tr> <td>0 to 207 bar</td> <td>(0 to 3000 psi)</td> <td>Cl. 1.6</td> </tr> <tr> <td>0 to 138 bar</td> <td>(0 to 2000 psi)</td> <td>Cl. 0.25</td> </tr> <tr> <td>0 to 41 bar</td> <td>(0 to 600 psi)</td> <td>Cl. 0.25</td> </tr> <tr> <td>-1 to 0 bar</td> <td>(-15 to 0 psi)</td> <td>Cl. 1.6</td> </tr> <tr> <td>0 to 4 bar</td> <td>(0 to 60 psi)</td> <td>Cl. 1.6</td> </tr> <tr> <td>0 to 50 mbar (diff.)</td> <td>(0 to 20 in H₂O)</td> <td>Cl. 0.6</td> </tr> <tr> <td>0 to 1067 mbar (abs.)</td> <td>(0 to 800 mm Hg)</td> <td>Cl. 0.6</td> </tr> <tr> <td>0 to 203 mbar (rel.)</td> <td>(0 to 6 in Hg)</td> <td>Cl. 0.6</td> </tr> <tr> <td>0 to 40 mbar (rel.)</td> <td>(0 to 16 in H₂O)</td> <td>Cl. 0.6</td> </tr> <tr> <td>0 to 75 mbar (rel.)</td> <td>(0 to 30 in H₂O)</td> <td>Cl. 0.6</td> </tr> </table> <p>Flow:</p> <table border="0"> <tr> <td>0 to 100 Nlpm at 20°C (0 to 3.5 scfm at 20°C)</td> <td>Cl. 2</td> </tr> <tr> <td>0 to 200 Ncc/min at 20°C (0.0071 scfm at 20°C)</td> <td>Cl. 2</td> </tr> <tr> <td>0 to 40 Ncc/min at 20 °C (0.0014 scfm at 20°C)</td> <td>Cl. 2</td> </tr> </table>	0 to 207 bar	(0 to 3000 psi)	Cl. 1.6	0 to 138 bar	(0 to 2000 psi)	Cl. 0.25	0 to 41 bar	(0 to 600 psi)	Cl. 0.25	-1 to 0 bar	(-15 to 0 psi)	Cl. 1.6	0 to 4 bar	(0 to 60 psi)	Cl. 1.6	0 to 50 mbar (diff.)	(0 to 20 in H ₂ O)	Cl. 0.6	0 to 1067 mbar (abs.)	(0 to 800 mm Hg)	Cl. 0.6	0 to 203 mbar (rel.)	(0 to 6 in Hg)	Cl. 0.6	0 to 40 mbar (rel.)	(0 to 16 in H ₂ O)	Cl. 0.6	0 to 75 mbar (rel.)	(0 to 30 in H ₂ O)	Cl. 0.6	0 to 100 Nlpm at 20°C (0 to 3.5 scfm at 20°C)	Cl. 2	0 to 200 Ncc/min at 20°C (0.0071 scfm at 20°C)	Cl. 2	0 to 40 Ncc/min at 20 °C (0.0014 scfm at 20°C)	Cl. 2
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<p>> Electric supply:</p> <p>Mains supply: 1/N/PE AC 60 Hz 115 V Nominal current: 11.5 A Nominal power: 1.32 kVA</p>																																					
<p>> Pneumatic supply:</p> <p>Pressure: 207 bar (3000 psi) Flow: 100 Nlpm at 20°C (3.5 scfm at 20°C) Connection: AN4 female thread direct connection (hose) to the oxygen bottle can be purchased as accessory</p>																																					
<p>> Dimensions and weight:</p> <p>Width: 600 mm (2.0 ft) Length: 1800 mm (5.9 ft) Height: 1050 mm (3.4 ft) Weight: 355 kg (783 lb)</p>																																					

OPTIONS

Many options are possible for adaption, e.g. adaption to other aircraft types etc.

Technical data are subject to change!