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

Electrical supply (requirements):

Mains connection:	1/N/PE AC 50Hz 230V
Nominal current:	11A
Back-up fuse:	16A
Nominal power:	2.5kVA

Pneumatical supply (requirements):

Medium:	Nitrogen
Pressure:	approx. 207bar (3000psi)
Flow:	min. 1000lpm (260gpm)

Operating conditions:

Operating temp.:	+5 to +45°C (41 to 113°F)
Altitude:	up to 1000m (3280ft) above SL
Humidity	10% to 95% (non-condensing)

Dimensions and weight:

Length:	2.244mm (7.36ft)
Depth:	1.249mm (4.10ft)
Height:	1.504mm (4.93ft)
Weight:	approx. 550kg (1.213lb)

Measurement range:

Pressure:		
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.

Differential pressure:		
1.2bar absolute	(17.4psi absolute)	±0.5%m.r.

Temperature:		
0 to 100°C	(32 to 212°F)	±1K

Flow:		
0 to 250mln/min	(0 to 0.008scfm)	±1%o.f.s.
0 to 2400ln/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.

m.r.	measuring range
o.f.s.:	of full scale
ln:	standard liter
min	standard milliliter
scfm	standard cubic feet per minute (21.1°C, 1013mbar)
acfm	actual cubic feet per minute

Technical data are subject to change!