

Cabin Pressurization Trolley

>KDP19<



Developed for pneumatic pressure tests on aircraft types according to ATA Chapter 36.

Three tests can be carried out:

- > Preliminary Seal Leak Check
- > Cabin Proof Pressure Test
- > Cabin Air Leakage Test

It is possible to adapt this trolley for pressure tests with other parameters.

- > Menu-driven operation and indication on a Touch-Screen-Panel
- > Mechanic and electrical cable and hose drums with light barrier control
- > High mobility and flexibility by full-cushion tires
- > Drawbar with gas pressure springs and mechanic interlock

MISCELLANEOUS

- > Required pressure and climb / sink rate can be set by the operator via the Control-Panel
- > The main frame consists of a sheet metal construction with covers which can be easily opened for maintenance tasks
- > Multi-colored signal lamp for optical indication of the respective operational state
- > High control accuracy by means of electrically operated valves with high precision positioning

TECHNICAL DATA

<p>> Pneumatic parameters:</p> <p>Pressure: 1.17bar (17psi) for UUT 7bar (100psi) for control</p> <p>> Electrical supply (requirements):</p> <p>Mains connection: 1/N/PE AC 60Hz 120V Nominal current: 10A Performance: 1.25kVA Prefuse: 15A</p>	<p>> Measurements:</p> <p>Flow: 3.5 to 49.4Nlpm (100 to 1,400scfm) (1 off) ±2% of full scale</p> <p>Pressure: 0 to 2.1bar (0 to 30psi) (1 off) ±0.5% of full scale</p> <p>Pressure: 0 to 2.1bar (0 to 30psi) (1 off) ±1% of full scale</p> <p>Pressure: 0 to 1bar (0 to 15psi) (1 off) ±0.5% of full scale</p> <p>Pressure: 0 to 11bar (0 to 160psi) (1 off) ±1% of full scale</p> <p>Pressure: 0 to 1.4bar (0 to 20psi) (1 off) ±0.1% of full scale</p> <p>Pressure: 0.6 to 2.1bar (8 to 31psi abs.) (1 off) ±0.0012bar (0.0175psi abs.) of absolute value</p> <p>Diff. pressure: 0 to 1.4bar (0 to 20psi) (2 off) ±0.1% of full scale</p> <p>Diff. pressure: 0 to 0.4bar (0 to 5.5psi) (1 off) ±0.4% o.m.v. + 0.00006bar (0.0008psi) of absolute value</p> <p>Temperature: -20°C to 80°C (-4°F to 176°F) (1 off) ±1°C (1.8°F) of absolute value</p>
<p>> Dimensions and weight:</p> <p>Length (vertical tow bar): 3,555mm (139.8in) Length (horizontal tow bar): 4,700mm (185in) Width: 1,650mm (65in) Height: 1,900mm (74.8in) Weight: approx. 2,050kg (4,519.5lb)</p>	
<p>> Operating conditions:</p> <p>Operating temperature: 5 to 38°C (41 to 100°F) Storage temperature: 0 to 60°C (32 to 140°F) Height: up to 1,000m (3,300ft) over MSL Rel. air humidity: 10 to 95% (non- condensing) Altitude: in a non-ex-area</p>	

OPTIONS

Various options are available to meet our customers' requirements, for example: adaption to numerous UUTs, test program requirement, dimensioning,...