

Cabin Pressurization Trolley

>KDP20<



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
- > Independent operation by integrated Roots type blower
- > Connection of ACT-sensors is possible
- > Max. current consumption limitable via Software
- > Easy maneuverability by chassis with turntable steering, solid tyres and integrated, automatic fixing brake
- > Integrated air cooler

MISCELLANEOUS

- > Required pressure and climb / sink rate can be set by the operator via the Control-Panel
- > The main frame consists of a steel profile frame 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: 810mbar (11.75psig), max. 51Nm³/min (1,900SCFM) for UUT 7bar (100psi) for control</p>	<p>> Operating conditions:</p> <p>Operating temperature: -15 to +35°C (5 to 95°F) Storage temperature: -20 to +60°C (-4 to 140°F) Altitude: up to 1,000m (3,300ft) above MSL Rel. air humidity: 10 to 95% (noncondensing)</p>
<p>> Electrical supply (requirements):</p> <p>Mains connection: 3/PE AC 50Hz 400V Nominal current: 150A (adjustable 100 to 150A with limitations of air flow) Performance: 104kVA Prefuse: 160A</p>	<p>> Measurements:</p> <p>Pressure: 0 to 1.0bar (0 to 14.50psig) (2 off) ±0.25% of full scale Flow: 3.0 to 40Nm³/min (1,500SCFM) (1 off) ±2% of full scale Humidity: 0 to 100% (1 off) ±5% of absolute value Temperature: 0°C to 100°C (32°F to 176°F) (1 off) ±1°C (1.8°F) of absolute value</p> <p><u>ACT-Sensors:</u> Pressure: 0 to 1,000mbar (0 to 14.50psig) (3 off) ±0.25% of full scale</p>
<p>> Dimensions and weight:</p> <p>Length (vertical tow bar): 6,400mm (251.9in) Length (horizontal tow bar): 7,400mm (291.3in) Width: 2,010mm (79.1in) Height: 2,900mm (114.2in)</p> <p>Weight: approx. 6,000kg (13,230.0lb)</p>	

OPTIONS

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