

Cabin pressure test equipment

>KDP5<



The test equipment is developed to perform cabin pressure testing and over pressure relief valve operation for the PILATUS PC-12 and PC-21.

It is possible to adapt this equipment for other aircraft types.

Application range:

PILATUS PC-21
PILATUS PC-12 / 47E

- > The equipment measures: ambient temperature, the temperature of the air fed to the cabin, cabin pressure, air flow, ambient pressure and testing time
- > The test sequence is fully automatic
- > The test equipment can be positioned easily

GENERAL INFORMATION

- > The computer system is operated via touch screen
- > Test results can be shown numerically and graphically
- > Test results can be stored electronically or printed by means of a connector for external equipment (printer, modem, USB stick, etc.)
- > Software can be maintained and updated via modem by the factory
- > Two fixed and two steerable castors with brakes are fitted to provide mobility and manoeuvrability

TECHNICAL DATA

<p>> Electric supply (requirements):</p> <p>Mains connection: 1/N/PE AC 50Hz 230V Nominal current: 10A Performance: 2.3kVA Back-up fuse: 16A</p>	<p>> Measurement range:</p> <p><u>Pressure sensor:</u> (2-off) 0 to 1bar, ±0.25% meas. r. (0 to 14.5psi, ±0.25% meas. r.) (1-off) 0 to 1bar, ±10mbar abs. (0 to 14.5psi, ±0.15psi abs.) (1-off) 0 to 2bar, ±0.25% meas. r. (0 to 29psi, ±0.25% meas. r.) (1-off) 0.8 to 1.2bar, ±2mbar abs. (11.6 to 17.4psi, ±0.03psi abs.) (1-off) 0 to 10bar, ±0.1bar abs. (0 to 145psi, ±1.45psi abs.)</p> <p><u>Temperature sensor:</u> (2-off) 0 to +50°C, ±0.5K (+32 to +122°F, ±0.5K)</p> <p><u>Flowmeter:</u> (1-off) 0 to 7500NI/min, ±5% o.f.s. (0 to 264.9scfm, ±5% o.f.s.)</p> <p>meas. r. ... measurement range o.f.s. ... of full scale abs. ... absolute</p>
<p>> Pneumatic supply (requirements):</p> <p>Pneumatic supply: 2-7bar (dry and oil-free)</p> <p>Flow: ~0.2kg/sec (~0.44lb/sec)</p> <p>Temperature of compressed air: +10 to +40°C (+50 to +104°F)</p>	<p>> Dimensions and weight:</p> <p>Width: approx. 1800mm (5.9ft) (incl. handles) Depth: approx. 950mm (3.1ft) Height: approx. 1650mm (5.4ft) (incl. warning light) Weight: approx. 450kg (990lb)</p>
<p>> Ambient conditions:</p> <p>Ambient temperature: +10 to +45°C (+50 to +113°F)</p> <p>Storage temperature: -25 to +55°C (-13 to +131°F)</p> <p>Altitude: max. 1000m above SL (max. 3280ft)</p> <p>Humidity: 10 to 95% (non-condensing)</p>	

OPTIONS

Many options are possible for adaption, e.g. adaption to other aircraft types, different touch-screens etc.

Technical data are subject to change!