

Electrical And Hydraulical Test Equipment Tact 5 >EHP400T5<



Figure of a similar equipment

Developed for providing an electrical and hydraulic supply for testing the electrical and hydraulic systems of the tail fin of the A400M

> The following tests can be carried out on the vertical fin:

- Bonding test
- Loop resistance measurement
- Antenna test
- Angular movements of the rudder
- Pressure test by compressed air or hydraulic oil
- Filling, draining and purging of the hydraulic system
- Particle measurement

GENERAL INFORMATION

- > Fully automatic test sequence ensures significant time saving
- > All castors, cables and hoses in the power unit are resistant to Skydrol
- > Controlled shutdown is carried out when errors or failures occur
- > Good accessibility is ensured for maintenance and service
- > Test results can be saved in test reports formatted by the user
- > Calibration is carried out by software
- > All measurements are shown on the monitor as well as warning and error messages

TECHNICAL DATA

> Hydraulic parameters:

Main tank:
 Volume: 300l
 Leakage warning, safety valve, cleaning access, temperature monitoring

Medium: SKYDROL LD4
 SKYDROL 5

Circulating and supply circuits:
 Internal gear pump
 Output 145l/min

High pressure circuits:
 Three separate circuits
 Axial piston pump
 Output: 5 to 75l/min at max. 350bar

Return circuits:
 Pressure transducer 0 to 100bar

> Electrical supply (requirements):

Mains supply: 3/N/PE AC 50Hz 400V
 Nominal current: 225A
 Power: max. 156kVA
 Back-up fuse: 250A

> Pneumatical supply (requirements):

Pressure: 8bar

> Dimensions and weight:

Power unit:
 Width: approx. 5170mm (17ft)
 Depth: approx. 2150mm (7.1ft)
 Height: approx. 2250mm (7.4ft)

Rack no.1:
 Width: approx. 610mm (2ft)
 Depth: approx. 640mm (2.1ft)
 Height: approx. 1730mm (5.68ft)

TECHNICAL DATA

> Measurement range:

Temperature sensors:

(9-off):	0 to 100°C (32 to 212°F) ±1K (1.8°F) absolute
(1-off):	-20 to +80°C (-4 to 176°F) ±1K (1.8°F) absolute

Pressure sensors:

(2-off):	0 to 10bar (0 to 145psi) ±0.5% m.v.
(3-off):	0 to 100bar (0 to 1450psi) ±0.5% m.v.
(4-off):	0 to 500bar (0 to 7251psi) ±0.5% m.v.
(1-off):	1 to 500bar (15 to 7251psi) ±0.5% m.v.
(1-off):	800 to 1.200mbar (11.6 to 17.4psi) ±0.5% m.v.

Flowmeters:

(3-off)	0 to 80l/min (0 to 21gpm) ±1% o.f.s.
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Angular measurement:

(1-off)	0 to 360l° ±0.02° absolute
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Humidity:

(1-off)	0 to 100% ±5% o.f.s.
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m.v. measurement value

o.f.s. of full scale

OPTIONS

A wide range of options is available to fulfil our customers' requirements.
e.g.: Adaption for different aircraft types, etc.



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