

Hydraulic Test Trolley

> HTW200-280NG <



The equipment is developed for regulated supply of the aircraft types TORNADO and EUROFIGHTER during maintenance and test operations.

It can also be adapted for other aircraft types.

Designed for operation with:

- MIL-H-5606
- MIL-H-83282
- MIL-H-87257

- > 2 independent hydraulic circuits
- > Infinitely pressure and flow regulation
- > Flow measurement
- > Automatic degassing
- > Aircraft reservoir (fill / discharge with continuous flow measurement)
- > Menu-driven operation and indication on touch-screen

GENERAL INFORMATION

- > Automatic calibration by means of the universal calibration device >UKSB3<
- > Leakage monitoring
- > Directly applied on the A/C or as supply of a hydraulic dock in the hangar
- > Special sound insulation (max. 75dB)
- > Maintenance friendly by means of maintenance flaps
- > High maneuverability through turntable steering

TECHNICAL DATA

<p>> Media:</p> <ul style="list-style-type: none"> - MIL-H-5606 - MIL-H-83282 - MIL-H-87257 	<p>> Operation:</p> <p>Remote control cable: Standard length 0.8m</p> <p>Operating system: Microsoft Windows</p> <p>Free operation of all functions of the different menus</p>
<p>> Hydraulic parameters:</p> <p>Pressure: max. 350bar (5,076.3psi)</p> <p>Flow: max. 2 x 130l/min (34.34USgal/min)</p> <p>Overtemperature shutdown: at 70°C (158°F)</p> <p>Hose length: 15m (590.6in) (provided in hose drum option)</p>	<p>> Dimensions and weight:</p> <p>Length without hose drum: 4,100mm (161.4in) with hose drum: 4,900mm (192.9in)</p> <p>Width: 1,800mm (70.9in)</p> <p>Height: 1,800mm (70.9in)</p> <p>Weight without hose drum: approx. 3,450kg (7,605.9lb) with hose drum: approx. 3,750kg (8,267.3lb)</p>
<p>> Electrical supply (requirements):</p> <p>Mains connection: 3/N/PE AC 50Hz 400V</p> <p>Nominal current: 125A</p> <p>Capacity: 86.6kVA</p> <p>Back-up fuse: 80A</p>	

TECHNICAL DATA (Continuation)

> **Hydraulic circuits:**Cooling circuit 1 and 2:

145l/min at 13bar
(38.3USgpm at 188.5psi)

High pressure circuit 1 and 2:

130l/min at max. 280bar
(34.3USgpm at 4,061.1psi)

or

65l/min at max. 350bar
(17.2USgpm at 5.076.3psi)

Both circuits together (Option Connected Mode):

max. 260l/min at max. 280bar
(max. 68.7USgpm at max. 4,061.1psi)

Return circuit 1 and 2:

260l/min at 2 to 13bar
(68.7USgpm at 29 to 188.5psi)

Filling circuit 16bar:

max. 10l/min at max. 16bar
(max. 2.6USgpm at max. 232.1psi)

> **Measurement range:**

Flowmeter: 3 to 160l/min
(2-off) (0,79 to 42,3USgal/min)
±0,5% of reading

Pressure sensor: 0 to 16bar (0 to 232,1psi)
(2-off) ±0,25% of measurement range

Pressure sensor: 0 to 400bar (0 to 5.801,5psi)
(2-off) ±0,25% of measurement range

Temperature sensor: 0 to 100°C (0 to 212°F)
(2-off) ±1°C



System and remote control

OPTIONS

- > Spring actuated chassis
- > Hose drum with hoses
- > Additional display cable 10m, 20m or 50m
- > Additional industrial couplings to uncouple the hose drum
- > Connected Mode
- > ECMU-Interface