

**TTS75**



## Aircraft Ground Equipment



### Technical specifications

The Tester Test Set (TTS) was specifically designed for testing / verifying the complete range of SUN Aircraft Hydraulics Testers (AHT).

#### System build-up

Flow and pressure are provided by the unit under test. The flow read out of the AHT can be verified by means of the turbine flow meter of the test set, while the pressure gauges can be verified by means of two completely separate measuring systems: low pressure and high pressure.

The HP and LP filter differential pressure switches of the AHT can be checked by means of the integrated hand pump and a HP and LP differential pressure tool (all part of the test set).

The temperature read out can be verified by means of the temperature sensor (part of the test set).

*Fluid specification* MIL-H-5606 (NATO code H-515) or alternatives

*Measurement and Control of flow* Turbine flow meter (5 l/min - 75 l/min) and loading valve for setting the flow.

*Measurement of pressure* High-pressure and low-pressure sensor.

*Display* LCD screen with backlight, providing read outs for high pressure, low pressure, flow and temperature.

*Housing* Weatherproof, polyester carrying case, provided with two handles. The detachable front part (lid) provides storage room for auxiliary equipment such as Minimes hoses and adaptors.

*Electrical supply* 115 - 240 VAC, or 24 VDC  
*Dimensions (L x W x H)* 558 x 525 x 228 mm  
*Weight* 24 kg  
*Operating temperature* 0 °C to +50 °C  
*Storage temperature* -20 °C to +60 °C

#### Functions

The test set enables maintenance personnel to easily perform the following periodical verification operations on an AHT:

- Checking the differential pressure switches of the low pressure and the high pressure filters.
- Verification of the high pressure gauges (0 bar - 400 bar with an accuracy of  $\pm 0.25$  %).
- Verification of the low pressure gauges (-1 bar - 20 bar with an accuracy of  $\pm 0.25$  %).
- Verification of flow read out (5 l/min - 75 l/min with an accuracy of  $\pm 0.5$  %).
- Verification of temperature read out (0 °C - 70 °C with an accuracy of  $\pm 0.5$  °C).

The test set also facilitates fault finding in case of a malfunctioning AHT component.

#### Options

- Higher flow (e.g. 200 l/min, TTS200)
- Dedicated adaptors for different types of differential pressure switches
- Dedicated adaptors for checking valve cracking pressure.