

## Wing Fuel Test System

### >WFTS1<



The test system is developed to test the fuel systems in the Pilatus A/C:

- PC7
- PC9
- PC12
- PC21

> Operation via 15" TFT-Touch-Screen

> Various test possibilities:

- Functional test of
  - Booster pump
  - Transfer and Delivery Jet Pump
  - Low Level Switch
- Leak tests
- Fill and Drain
- Fueling and defueling of aircrafts via gravitation as well as via pressure with max. 200 lpm
- Testing of the aircraft tank via pressure and vacuum simulation

## TECHNICAL DATA

<p><b>&gt; Hydraulic parameters:</b></p> <p><u>Main tank:</u></p> <ul style="list-style-type: none"> <li>- Capacity: approx. 1,600 l</li> <li>- Medium: MIL-C-7024C</li> </ul>	<ul style="list-style-type: none"> <li>- Voltage measurements: Accuracy: 0.5 % m.r. Range: 0 V - 40 V</li> <li>- Pressure measurements: Accuracy: 0.5 % m.r.                             <ol style="list-style-type: none"> <li>1. range: 0bar to 6bar</li> <li>2. range: 0bar to 1.6bar abs.</li> <li>3. range: 0bar to 4bar</li> <li>4. range: -0.1bar to +0.5bar</li> </ol> </li> <li>- Flow measurements: Accuracy: 0.5 % m.r.                             <ol style="list-style-type: none"> <li>1. range: 5l/min - 200l/min + total quantity Accuracy: ± 10l Range: 0l - 1,000l</li> <li>2. range: 0.5l/min - 40l/min + total quantity Accuracy: ± 2l Range: 0l - 100l</li> <li>3. range: 0.1l/min - 4l/min</li> </ol> </li> <li>- Gas sensors: Accuracy: 1 % m.r. Range: 0% to 40% lower explosion limit</li> </ul>
<p><b>&gt; Electrical supply (requirements):</b></p> <p><u>Supply voltage:</u></p> <ul style="list-style-type: none"> <li>- Mains supply: 3/N/PE AC 50 Hz 400 V</li> <li>- Nominal power: approx. 14.5 kVA</li> <li>- Nominal current: approx. 21 A</li> <li>- Preliminary fuse: 32 A gl</li> </ul>	<p><b>&gt; Dimensions and weight:</b></p> <p>Length: approx. 3,500 mm                  Width: approx. 1,830 mm                  Height: approx. 1,540 mm                  Weight: approx. 2,500 kg</p>
<p><b>&gt; Measurement range:</b></p> <ul style="list-style-type: none"> <li>- Temperature measurement: Accuracy: ± 1°C Range: 0°C - 40°C</li> <li>- Level indication tank: Accuracy: ± 5 % m.r. Range: 0% - 100%</li> <li>- Level indication wings: Accuracy: 0.5 % m.r. Range: 0% - 100%</li> <li>- Current measurements: Accuracy: 0.5 % m.r. Range: 0 A - 20 A</li> </ul>	<p><b>&gt; Pneumatic supply (requirements):</b></p> <p><u>Compressed-air supply:</u></p> <ul style="list-style-type: none"> <li>- min. 6 bar, max. 10 bar</li> </ul>