Aircraft scales: Weighing at the wheels

Description
With these portable aircraft scales you can weigh fixed-wing aircraft and helicopters safely and accurately at their wheels. The scales are assembled according to your requirements from several wheel load scales with data transfer by cable and special software. The individual wheel load scales accept loads up to 10000 kg. It is possible to combine different types of wheel load scales and different nominal loads. The flat weighing platforms are easy to transport and can be used on site by a single person.

With the aid of the appropriate aircraft weighing software, you can evaluate up to 20 wheel load scales on a PC. The display shows the individual wheel loads, the loads on each side, and the total load. Measurement data can be saved, printed, and exported to Microsoft Excel.

These scales can be used to weigh many different types of aircraft: ultralights, gliders, powered gliders, powered aircraft, historic aircraft, business and commercial jets, and helicopters. Typical applications are routine weight checks and centre of gravity determinations, and weight checks following repair or modifications to an aircraft.

Features
- height accuracy
- low self-weight
- flat design
- nominal loads from 100 kg to 10000 kg (other nominal loads on request)
- maintenance-free

Applications
- weight checks
- centre of gravity determination
Selection table for wheel load scales

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal load, display step</th>
<th>Accuracy</th>
<th>Weight of scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW 2.0 / 100</td>
<td>100 kg / 200 lb, 0.1 kg / 0.1 lb</td>
<td>±0.2 kg</td>
<td>6.5 kg</td>
</tr>
<tr>
<td>RW 2.0 / 500</td>
<td>500 kg / 1000 lb, 0.2 kg / 0.2 lb</td>
<td>±0.4 kg</td>
<td>6.5 kg</td>
</tr>
<tr>
<td>RW 8.1 / 1000</td>
<td>1000 kg / 2000 lb, 1 kg / 1 lb</td>
<td>±1 kg</td>
<td>15.1 kg</td>
</tr>
<tr>
<td>RW 8.1 / 2000</td>
<td>2000 kg / 4000 lb, 1 kg / 1 lb</td>
<td>±1 kg up to 400 kg, ±2 kg over 400 kg</td>
<td>15.1 kg</td>
</tr>
<tr>
<td>RW 8.1 / 8000</td>
<td>8000 kg / 16000 lb, 5 kg / 5 lb</td>
<td>±5 kg up to 500 kg, ±10 kg up to 5000 kg, ±15 kg over 5000 kg</td>
<td>17.6 kg</td>
</tr>
<tr>
<td>RW 9.1 / 10000</td>
<td>10000 kg / 20000 lb, 5 kg / 5 lb</td>
<td>±15 kg</td>
<td>28 kg</td>
</tr>
</tbody>
</table>

Technical data for wheel load scales

- Measurement principle: Strain gauge
- Overload: 1.2-times nominal load
- Operating temperature range: -10 °C to +50 °C
- Storage temperature range: -30 °C to +70 °C
- Degree of protection: IP 65

Dimensions

- RW 2.0
- 420 mm x 430 mm
- Weighing surface height 30 mm

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HRB 3954

Status 03.2013
We reserve the right to make technical modifications.
Aircraft scales: Weighing at the wheels

**RW8.1**

- Weighing surface: 382 mm x 400 mm
- Weighing surface height: 40 mm

**RW9.1**

- Weighing surface: 600 mm x 400 mm
- Weighing surface height: 45 mm

Dimensions in mm
Aircraft Scales Software 1.0

Connection of 1 to 20 wheel load scales
Display all loads
Prepare a weighing report
Export to Microsoft Excel
Operating systems:
Win 2000, XP, Vista and Win 7

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Options
Ramps        Aluminium treadplate
Wheel stop   pluggable
Carrying case for up to six RW8.1s
Hand terminal Displays and evaluates up to 4 wheel load scales

Group | Left | Middle | Right | Sum
--- | --- | --- | --- | ---
1 | X | 50 | X | 50
2 | 20 | X | 15 | 35
Sum | 20 | 50 | 15 | 85

Aircraft class : Air Plane
Type of aircraft : ATR42-200
Aircraft registrad. : D-Cxxx
Airline : Air Freiburg
Weight empty : 9972 kg
max.Take-off-weight : 15749 kg

Notice:

Time : 11:29
Date : 01.06.2010   Signature : __________________________

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