



# Aircraft Weighing Systems

## Reverse

A Brand of VPG On-Board Weighing

### JetWeigh-5™

#### Jack Point Aircraft Weighing System

#### Key Benefits

- Capacity range – 15,000 to 600,000 pounds
- Synchronized sampling of all weight channels results in accurate measurement, minimizing the effects of vibration, oscillation, and wind
- User-friendly, color graphic display with touch screen
- Robust and reliable operation
- Accuracy of  $\pm 0.1\%$  of applied load, or  $\pm 0.02\%$  of channel capacity, whichever is greater
- Center of gravity calculation function
- G-factor compensation between calibration and operation locations enables accurate and simple operation
- Library of up to 200 aircraft types and characteristics
- Aircraft weights are stored in history file for future comparison and data validation
- Hermetically sealed, compact stainless steel load cells

#### Applications

- Routine weight and center-of-gravity monitoring
- Weight checks after airframe repairs and modifications
- Design proving weight and center-of-gravity determinations

### Jack Point Aircraft Weighing System

#### Specifications

<b>Accuracy:</b>	0.1% of applied load or 0.02% of channel capacity, whichever is greater									
<b>Calibration method:</b>	Dead weight calibration of load cells in factory									
<b>Model</b>	<b>JW-15J5</b>	<b>JW-20J5</b>	<b>JW-30J5</b>	<b>JW-40J5</b>	<b>JW-75J5</b>					<b>JW-400J5</b>
<b>No. of cells</b>	3	4	3	4	3					4
<b>Cell capacity (lbs.)</b>	5,000	5,000	10,000	10,000	25,000					100,000
<b>Kit capacity (lbs.)</b>	15,000	20,000	30,000	40,000	75,000					400,000
<b>Part number</b>	64001-00J5	64001-01J5	64001-02J5	64001-03J5	64001-04J5					64001-09J5
<b>Resolution (lbs.)</b>	0.5	0.5	1	1	2					10
<b>Kit weight (lbs.)</b>	72	78	72	78	72					110
<b>Kit dimensions (in.)</b>	32.88 X 17.5 X 8.75									
<b>Model</b>	<b>JW-100J5</b>	<b>JW-150J5</b>	<b>JW-200J5</b>	<b>JW-300J5</b>	<b>JW-400J5</b>					<b>JW-600J5</b>
<b>No. of cells</b>	4	3	4	3	4					3
<b>Cell capacity (lbs.)</b>	25,000	50,000	50,000	100,000	100,000					200,000
<b>Kit capacity (lbs.)</b>	100,000	150,000	200,000	320,000	400,000					600,000
<b>Part number</b>	64001-05J5	64001-06J5	64001-07J5	64001-08J5	64001-09J5					64001-15J5
<b>Resolution (lbs.)</b>	2	5	5	10	10					20
<b>Kit weight (lbs.)</b>	78	72	78	96	110					20
<b>Kit dimensions (in.)</b>	32.88 X 17.5 X 8.75									
<b>Model</b>	<b>JW-250J5</b>	<b>JW-425J5</b>	<b>JW-450J5</b>	<b>JW-500J5</b>	<b>JW-600J5</b>					<b>JW-800J5</b>
<b>No. of cells</b>	5	5	5	5	5					5
<b>Cell capacity, mains (lb)</b>	50,000	100,000	100,000	100,000	100,000					200,000
<b>Cell capacity, nose (lb)</b>	50,000	25,000	50,000	100,000	200,000					400,000
<b>Kit capacity (lb)</b>	250,000	425,000	450,000	500,000	600,000					800,000
<b>Part number</b>	64001-16J5	64001-12J5	64001-13J5	64001-14J5	64001-15J5					64001-15J5
<b>Resolution, mains (lb)</b>	5	10	10	10	20					20
<b>Resolution, nose (lb)</b>	5	2	5	10	20					20
<b>Load Cell Sampling:</b>	Synchronized sampling of all load cells									
<b>Conversion rate:</b>	300 conversions / second per load cell									
<b>Internal resolution:</b>	16,777,216 (24 bits)									
<b>Software features:</b>	<ul style="list-style-type: none"> <li>On-board automatic center of gravity calculation</li> <li>Re-configurable load cell arrangement</li> <li>3 weights modes to meet different environmental conditions</li> <li>Automatic latitude and altitude adjustment of weight value</li> <li>Automatic zero tracking</li> <li>On-board library of up to 200 aircraft types and characteristics</li> <li>Diagnostic algorithms check for system errors</li> </ul>									

#### Specifications cont.

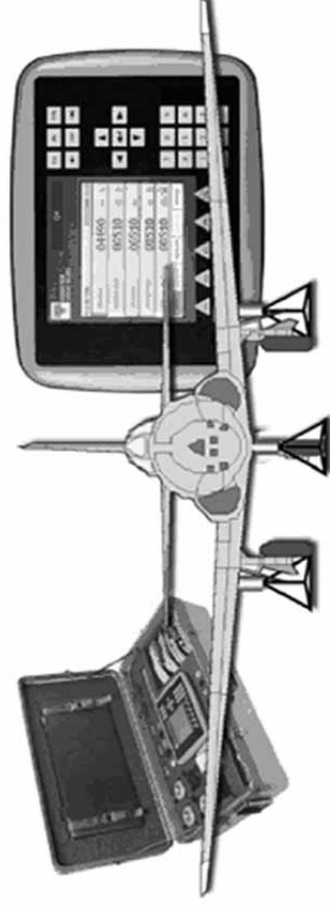
<b>Data (displayed and printed):</b>	<ul style="list-style-type: none"> <li>Gross weight</li> <li>Individual load cell weights (kg, lb and %)</li> <li>CG location (inches, cm, %MAC)</li> </ul>
<b>Weighing save options:</b>	<ul style="list-style-type: none"> <li>Internal memory</li> <li>Serial interface to download (or synchronize) to a PC</li> </ul>
<b>Power:</b>	<ul style="list-style-type: none"> <li>110 or 230VAC, 1A</li> </ul>
<b>Environmental protection:</b>	<ul style="list-style-type: none"> <li>Load cells – IP65</li> <li>Kit case – high-impact fiberglass carrying case</li> </ul>
<b>Environmental conditions:</b>	<ul style="list-style-type: none"> <li>+14°F to +120°F (-10°C to +50°C)</li> <li>-4°F to +140°F (-20°C to +60°C)</li> <li>95% RH, non-condensing</li> </ul>

#### System content:

- 3 to 5 load cells
- Rugged weighing user terminal
- Thermal printer
- Power supply and power cord
- Center-of-gravity accessory kit
- Rugged fiberglass carrying case

#### Center-of-gravity accessory kit content:

- Level and level bar
- Plumb bob assembly (2)
- Chalk and line
- Hydrometers (2)
- Fuel dipper
- Hydrometer jar and stand
- Leveling bar
- 50" Steel tape
- Screwdriver
- 12" steel ruler



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