



Aircraft Weighing Systems

Revere

A Brand of VPG On-Board Weighing

Product Sheet

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

Datasheet for Product Name is available on our web site at:
<http://www.vishaypg.com/doc?12211>

www.weighingonboard.com

Jack Point Aircraft Weighing System

Specifications

Accuracy:	0.1% of applied load or 0.02% of channel capacity, whichever is greater												
Calibration method:	Dead weight calibration of load cells in factory												
Model	JW-15J5	JW-20J5	JW-30J5	JW-40J5	JW-50J5	JW-75J5	JW-100J5	JW-150J5	JW-200J5	JW-300J5	JW-400J5	JW-500J5	JW-600J5
No. of cells	3	4	3	4	3	4	4	3	4	3	4	5	3
Cell capacity (lbs.)	5,000	5,000	10,000	10,000	10,000	25,000	25,000	50,000	50,000	100,000	100,000	100,000	200,000
Kit capacity (lbs.)	15,000	20,000	30,000	40,000	50,000	75,000	100,000	150,000	200,000	320,000	400,000	500,000	600,000
Part number	64001-00J5	64001-01J5	64001-02J5	64001-03J5	64001-04J5	64001-05J5	64001-06J5	64001-07J5	64001-08J5	64001-09J5	64001-10J5	64001-11J5	64001-12J5
Resolution (lbs.)	0.5	0.5	1	1	1	2	2	5	5	10	10	10	20
Kit weight (lbs.)	72	78	72	78	72	72	78	78	96	96	110	110	20
Kit dimensions (in.)	32.88 X 17.5 X 8.75												
Model	JW-250J5	JW-425J5	JW-450J5	JW-500J5	JW-600J5	JW-750J5	JW-1000J5	JW-1500J5	JW-2000J5	JW-3000J5	JW-4000J5	JW-5000J5	JW-6000J5
No. of cells	5	5	5	5	5	5	5	5	5	5	5	5	3
Cell capacity, mains (lb)	50,000	100,000	100,000	100,000	100,000	200,000	200,000	400,000	400,000	800,000	800,000	1,000,000	1,200,000
Cell capacity, nose (lb)	50,000	25,000	25,000	25,000	25,000	50,000	50,000	100,000	100,000	200,000	200,000	200,000	200,000
Kit capacity (lb)	250,000	425,000	425,000	425,000	425,000	850,000	850,000	1,700,000	1,700,000	3,400,000	3,400,000	4,250,000	5,100,000
Part number	64001-16J5	64001-12J5	64001-12J5	64001-13J5	64001-13J5	64001-14J5	64001-14J5	64001-15J5	64001-15J5	64001-16J5	64001-16J5	64001-17J5	64001-17J5
Resolution, mains (lb)	5	10	10	10	10	20	20	40	40	80	80	80	20
Resolution, nose (lb)	5	2	2	2	2	5	5	10	10	20	20	20	20
Load Cell Sampling:	Synchronized sampling of all load cells												
Conversion rate:	300 conversions / second per load cell												
Internal resolution:	16,777,216 (24 bits)												
Software features:	<ul style="list-style-type: none"> On-board automatic center of gravity calculation Re-configurable load cell arrangement 3 weights modes to meet different environmental conditions Automatic latitude and altitude adjustment of weight value Automatic zero tracking On-board library of up to 200 aircraft types and characteristics Diagnostic algorithms check for system errors 												

Specifications cont.

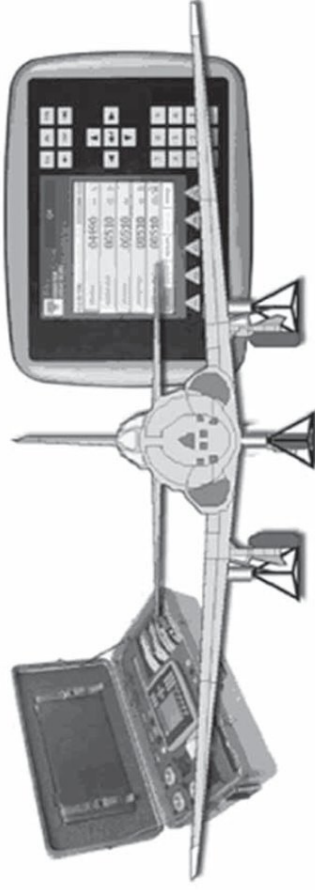
Data (displayed and printed):	<ul style="list-style-type: none"> Gross weight Individual load cell weights (kg, lb and %) CG location (inches, cm, %MAC) Internal memory Serial interface to download (or synchronize) to a PC
Weighing save options:	<ul style="list-style-type: none"> 110 or 230VAC, 1A Load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

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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for Precision Measurement and Control