



Jack Point Aircraft Weighing System





FEATURES

- Capacity range 15,000 to 600,000 pounds
- Synchronized sampling of all weight channels result in accurate measurement, minimizing the effect of vibration, oscillations and wind
- User-friendly, color graphic display with touch screen
- · Robust and reliable operation
- Accuracy of ±0.1% of applied load, or ±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

DESCRIPTION

JetWeigh-5TM Aircraft Weighing System integrates state-of-the-art technology in digital weighing processing and high-accuracy hermetically sealed load cells. The integration of Revere high performance load cells with Systems modern advance weighing processor (G4) results in an accurate, high-reliability, robust and easy to use Aircraft Weighing System.

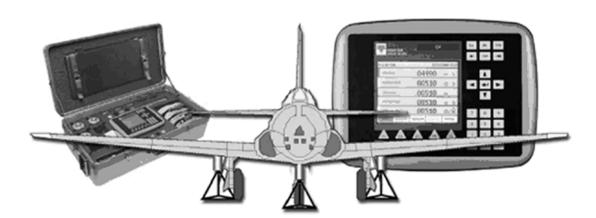
Synchronized sampling of all load cells ensures correct weighing even under severe vibration and oscillation conditions.

The user terminal, a PC-based multichannel indicator handles up to 5 load cells or platforms. Its color graphic display with provides touch screen intuitive operation, including step-by-step advanced functions such as CG calculation, aircraft type library, weighing history, latitude and altitude adjustment, and weight results print-outs.

APPLICATIONS

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

CONFIGURATION



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Revere

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SPECIFICATIONS						
Accuracy:	0.1% of applied load	0.1% of applied load or 0.02% of channel capacity, whichever is greater				
Calibration method:	Dead weight calibra	Dead weight calibration of load cells in factory				
Model	JW-15J5	JW-20J5	JW-30J5	JW-40J5	JW-75J5	
No. of cells	3	4	3	4	3	
Cell capacity (lbs.)	5,000	5,000	10,000	10,000	25,000	
Kit capacity (lbs.)	15,000	20,000	30,000	40,000	75,000	
Part number	64001-00J5	64001-01J5	64001-02J5	64001-03J5	64001-04J5	
Resolution (lbs.)	0.5	0.5	1	1	2	
Kit weight (lbs.)	72	78	72	78	72	
Kit dimensions (in.)		T				
Model	JW-100J5	JW-150J5	JW-200J5	JW-300J5	JW-400J5	
No. of cells	4	3	4	3	4	
Cell capacity (lbs.)	25,000	50,000	50,000	100,000	100,000	
Kit capacity (lbs.)	100,000	150,000	200,000	320,000	400,000	
Part number	64001-05J5	64001-06J5	64001-07J5	64001-08J5	64001-09J5	
Resolution (lbs.)	2	5	5	10	10	
Kit weight (lbs.)	78	72	78	96	110	
Kit dimensions (in.)		32.88 X 17.5 X 8.75				
Model	JW-250J5	JW-425J5	JW-450J5	JW-500J5	JW-600J5	
No. of cells	5	5	5	5	3	
Cell capacity, mains (lb)	50,000	100,000	100,000	100,000	200,000	
Cell capacity, nose (lb)	50,000	25,000	50,000	100,000	200,000	
Kit capacity (lb)	250.000	425.000	450.000	500.000	600.000	
Part number	,	-,	,	,	,	
	64001-16J5	64001-12J5	64001-13J5	64001-14J5	64001-15J5	
Resolution, mains (lb)	5	10	10	10	20	
Resolution, nose (lb)	5	2	5	10	20	
Load Cell Sampling:	Synchronized samp	Synchronized sampling of all load cells				
Conversion rate:	300 conversions / se	300 conversions / second per load cell				
Internal resolution:	16,777,216 (24 bits)					
	,					
Software features:	 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 					



Jack Point Aircraft Weighing System

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SPECIFICATIONS cont.			
Data (displayed and printed):	 Gross weight Individual load cell weights (kg, lb and %)		
	CG location (inches, cm, %MAC)		
Weighing save options:	Internal memorySerial interface to download (or synchronize) to a PC		
Power:	• 110 or 230VAC, 1A		
Environmental protection:	Load cells – IP65		
	Kit case – high-impact fiberglass carrying case		
Environmental conditions:			
Operating temperature:	• +14°F to +120°F (-10°C to +50°C)		
Storage temperature:	• -4°F to +140°F (-20°C to +60°C)		
Humidity:	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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