

SI TECHNOLOGIES®



JetWeigh & Road Runner

Aircraft Weighing Systems

Phone 800-481-4114

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JETWEIGH & ROAD RUNNER



JetWeigh™

JACKPOINT SYSTEM

FEATURES

Capacity range covering 15,000 to 600,000 pounds

Simultaneous readings of weight channels, plus total weight

Library of up to 200 aircraft types and characteristics

Pound or kilogram readout selectable by operator

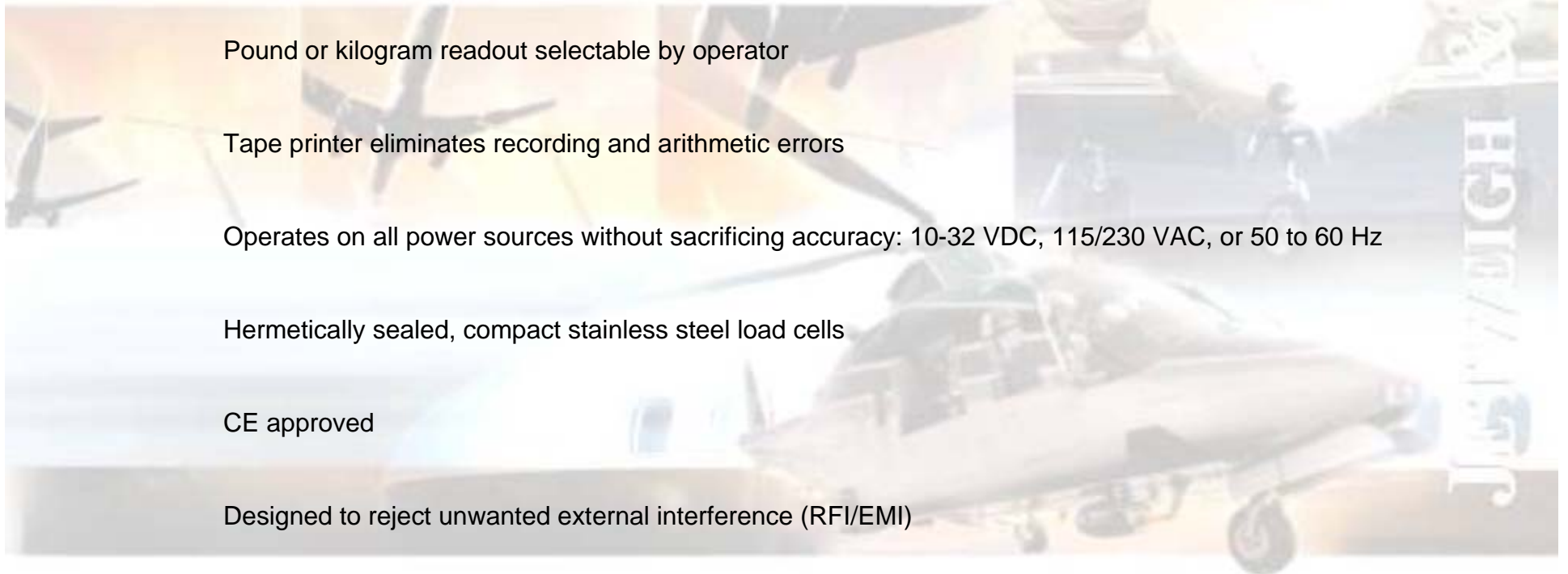
Tape printer eliminates recording and arithmetic errors

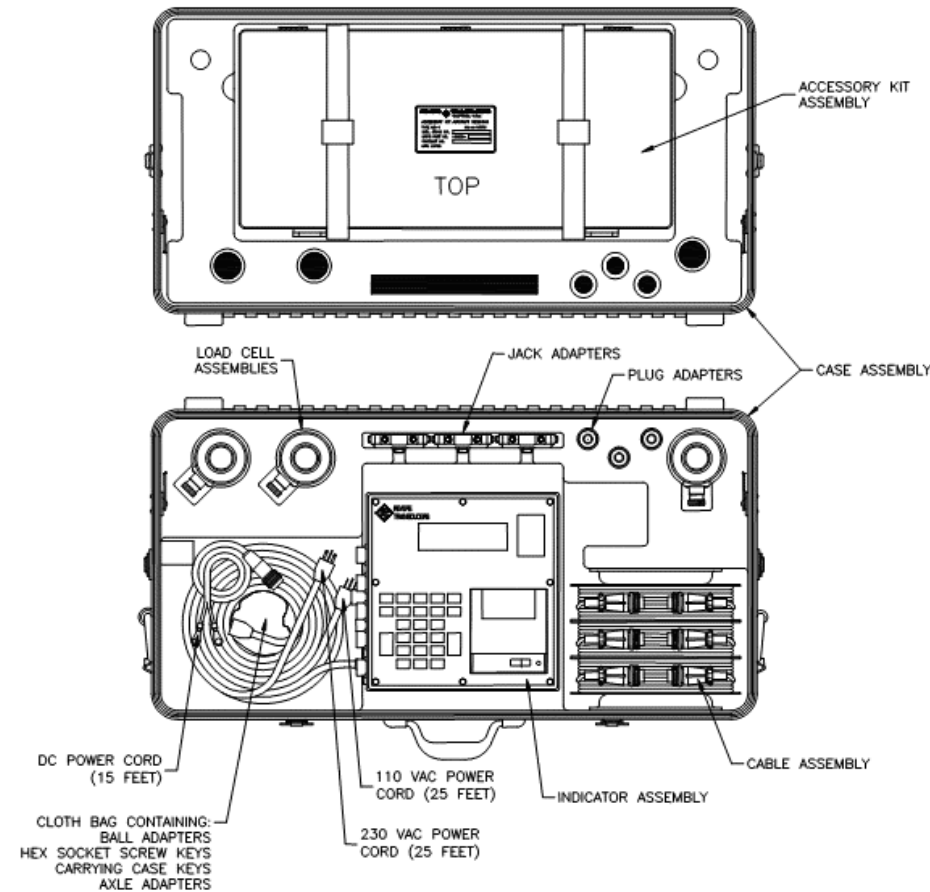
Operates on all power sources without sacrificing accuracy: 10-32 VDC, 115/230 VAC, or 50 to 60 Hz

Hermetically sealed, compact stainless steel load cells

CE approved

Designed to reject unwanted external interference (RFI/EMI)





APPLICATIONS

Routine weight and center-of-gravity monitoring

Weight checks after airframe repairs and modifications

Design proving weight and center-of-gravity determinations





Each JetWeigh™ Aircraft Weighing System includes:

3 to 5 stainless steel, hermetically sealed load cells

Interconnecting cables and power cords

Digital weight computer

Center-of-gravity accessory kit

Rugged fiberglass carrying case(s)

On-board center-of-gravity computation

On-board library of aircraft types and characteristics

Integrated flash memory technology for storing weighments

JetWeigh™ Aircraft Weighing System

The Center-of-Gravity Accessory Kit is included with every JetWeigh™ Aircraft Weighing System. The contents of this kit make aircraft weighing and center-of-gravity determination simpler and more convenient. Included in this kit are the following items:

Level

Plumb bobs

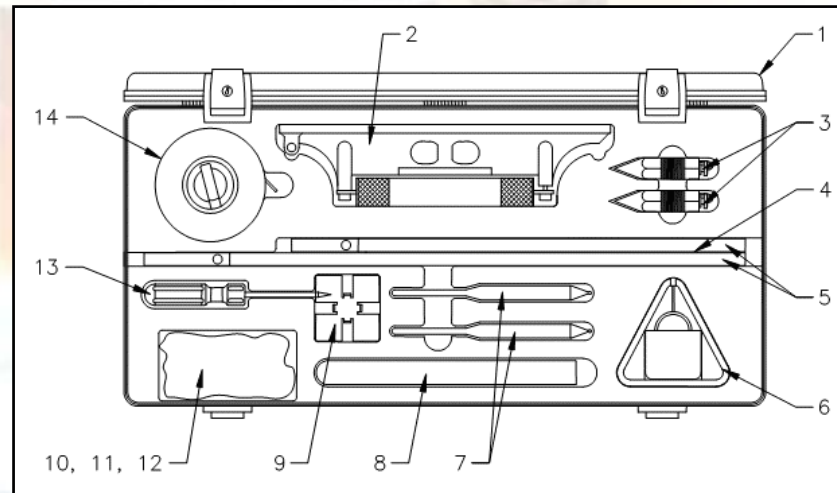
Chalk and line

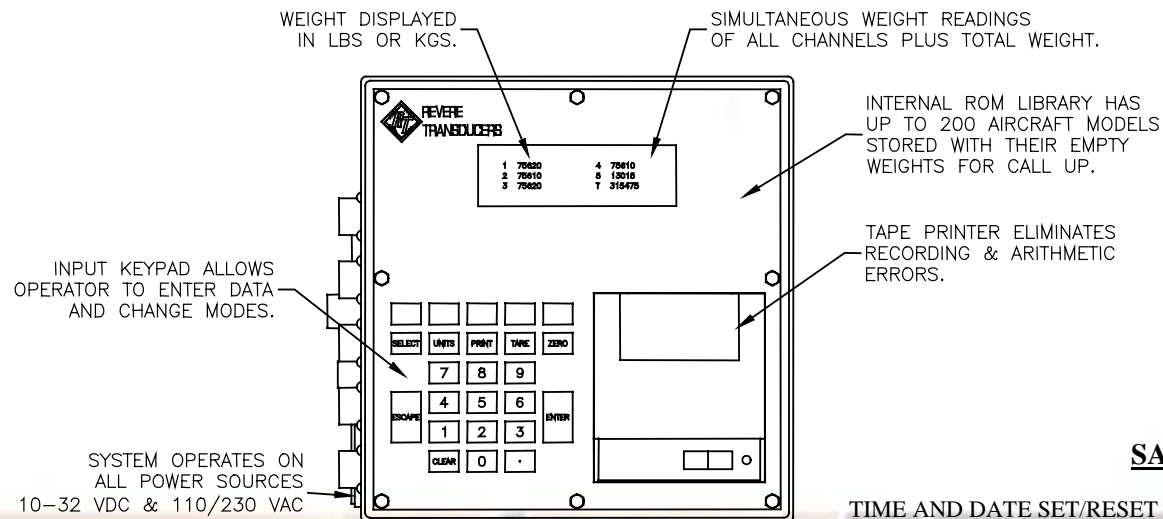
Hydrometers

Fuel dipper

Hydrometer jars and stand

Leveling bar





SAMPLE PRINTOUT

TIME AND DATE SET/RESET FROM KEYBOARD. CLOCK & RAM POWERED BY INTERNAL 10 YEAR LITHIUM BATTERY

LB/KG SELECTED BY KEYBOARD. AUTOMATIC DEFAULT TO LBS.

LATITUDE SELECTION FROM 0° TO 90° BY KEYBOARD. AUTOMATIC DEFAULT TO 45° VALUE.

STABILITY CRITERIA.

AIRCRAFT ID SELECTED BY KEYBOARD FROM MEMORY LIBRARY.

AIRCRAFT ID NO. ENTERED FROM KEYBOARD.

WEIGHT DATA - UP TO 5 CHANNELS DEPENDING ON KIT MODEL.

LOCATION FOR ERROR MESSAGES.

- OPERATOR FORCED PRINTOUT.
- UNSTABLE WEIGHMENT.
- POOR ZERO RETURN.
- PRINTOUT ABORTED.
- SYSTEM DIAGNOSTIC FAILURE.

Ready

REVERE
AIRCRAFT WEIGHING KIT
DATE: 03/23/93
TIME: 10:21
KIT SN: 8840002C
LAST CALIBRATED: 08/91

WEIGHMENT

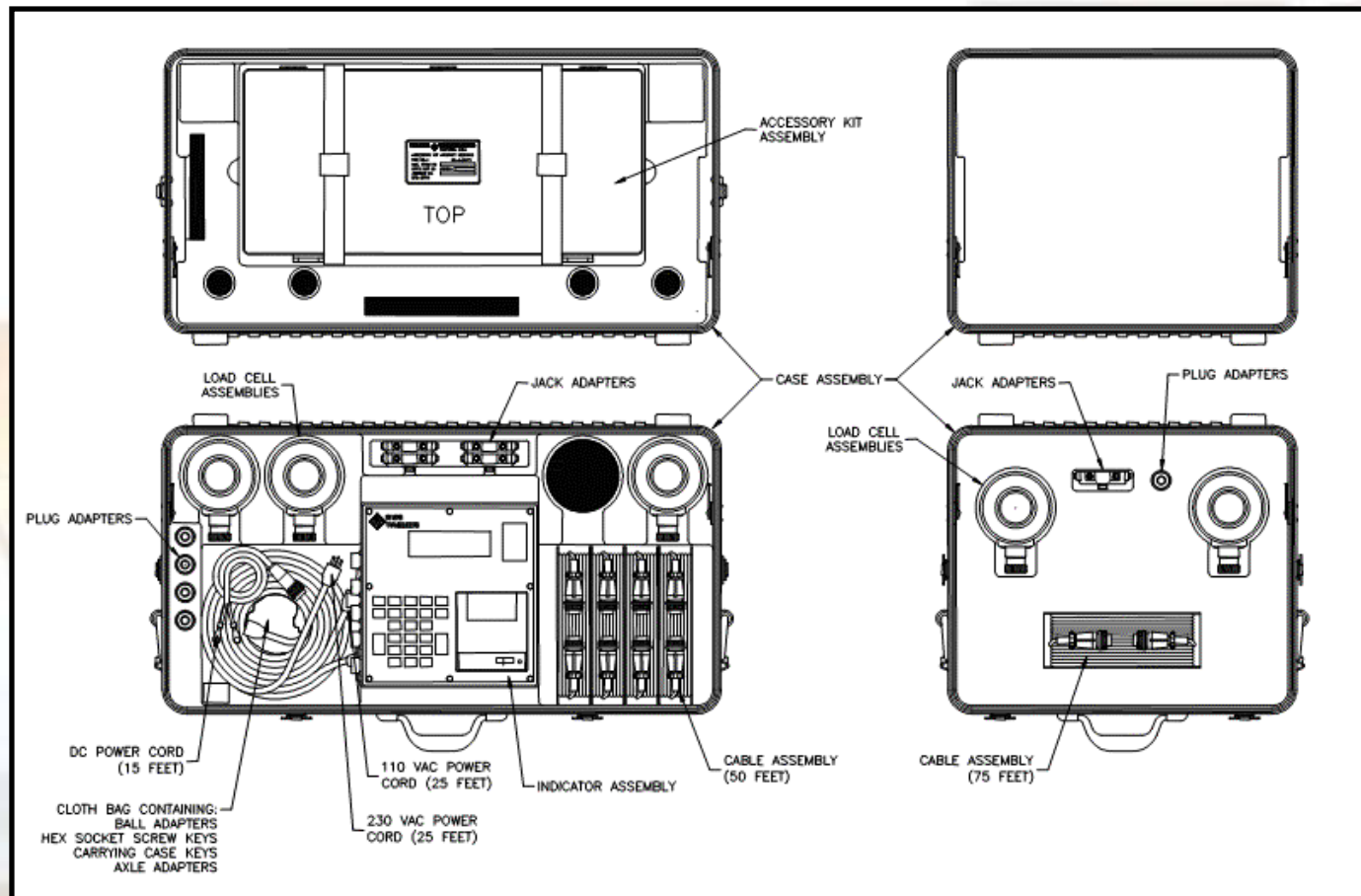
WEIGHMENT UNITS: LBS
LATITUDE: 45 DEGREES
Weighment Mode: 1
ACFT ID: BOEING 0747
ACFT SN: 12345

CHANNEL NO.	WEIGHT
1 LEFT	75610
3 LEFT	75620
2 RIGHT	75620
4 RIGHT	75620
5 NOSE	13015
TOTAL LEFT	151230
TOTAL RIGHT	151270
NOSE	13015
TOTAL WEIGHT	315515

ZERO RETURN EXCESSIVE
CHIS 1.3

WEIGHMENT UNSTABLE
PRINTOUT FORCED BY
OPERATOR

JetWeigh™ 5 Load Cell Configuration



Individual System Description

Model	JW-15	JW-20	JW-30	JW-40	JW-75
No. of Cells	3	4	3	4	3
Cell Capacity (lb)	5,000	5,000	10,000	10,000	25,000
Kit Capacity (lb)	15,000	20,000	30,000	40,000	75,000
Part Number	64001-00	64001-01	64001-02	64001-03	64001-04
Resolution (lb)	0.5	0.5	1	1	2
Kit Weight (lbs.)	72	78	72	78	72
Kit Dimensions (in.)	32.88 x 17.50 x 8.75				

Model	JW-100	JW-150	JW-200	JW-300	JW-400
No. of Cells	4	3	4	3	4
Cell Capacity (lb)	25,000	50,000	50,000	100,000	100,000
Kit Capacity (lb)	100,000	150,000	200,000	3200,000	400,000
Part Number	64001-05	64001-06	64001-07	64001-08	64001-09
Resolution (lb)	2	5	5	10	10
Kit Weight (lbs.)	78	72	78	96	110
Kit Dimensions (in.)	32.88 x 17.50 x 8.75				

Model	JW-425	JW-450	JW-500	JW-600
No. of Cells	5	5	5	3
Cell Capacity, Mains (lb)	100,000	100,000	100,000	200,000
Cell Capacity, Nose (lb)	25,000	50,000	100,000	200,000
Kit Capacity (lb)	425,000	450,000	500,000	600,000
Part Number	64001-12	64001-13	64001-14	64001-15
Resolution, Mains (lb)	10	10	10	20
Resolution, Nose (lb)	2	5	10	20



RoadRunner™

The RoadRunner™ System provides fast, accurate weight readings for a variety of light to medium applications. Each system is designed to transport easily to weigh sites and set-up in a matter of minutes. Using the digital indicator, the operator can display the weight of each pad individually, or the total of any combination of pads. Options for the system include an external batter charger and an external printer.



Just a HIGH & ROAD RUNNER



FEATURES

System capacity range covering 15,000 to 400,000 pounds

Accuracy of $\pm 0.1\%$ of applied load, or $\pm 0.02\%$ of channel capacity, whichever is greater

Adaptable to all Jack designs

4 channel indicator

Easy to read display

Lb. or kg readout

Stainless steel hermetically sealed load cells

Display individual load cell or total weight or any combination

Indicator powered by internal rechargeable battery

RoadRunner™ JACKPOINT SYSTEM



Individual System Description

Model	JP5000-3	JP5000-4	JP150
No. of Load Cells	3	4	3
Cell Capacity (lb)	5,000	5,000	15,000
System Capacity (lb)	15,000	20,000	45,000
Part Number	91-01635	9101640-01	9101605-01
Resolution (lb)	1	1	1
System Weight (lbs.)	55	59	67
System Dimensions (in.)	30 x 20 x 11		

Model	JP15000-4	JP50000-3	JP50000-4
No. of Load Cells	4	3	4
Cell Capacity (lb)	15,000	50,000	50,000
System Capacity (lb)	60,000	150,000	200,000
Part Number	9102150-01	9101610-01	9102000-01
Resolution (lb)	1	10	10
System Weight (lbs.)	72	72	77
System Dimensions (cm)	30 x 20 x 11		

Model	JP100000-3	JP100000-4
No. of Platforms	3	4
Cell Capacity (lb)	100,000	100,000
Kit Capacity (lb)	300,000	400,000
Part Number	9102020-01	9102140-01
Resolution (lb)	10	10
System Weight (lbs.)	85	95
System Dimensions (cm)	30 x 20 x 11	





RoadRunner™

Precision Wheel Weighers

FEATURES

System capacity range covering 7,500 to 45,000 pounds

Capacity per platform: 2,500 lb., 6,000 lb., 10,000 lb., and 15,000 lb.

Heavy duty cast aluminum construction

Non-slip platform surface

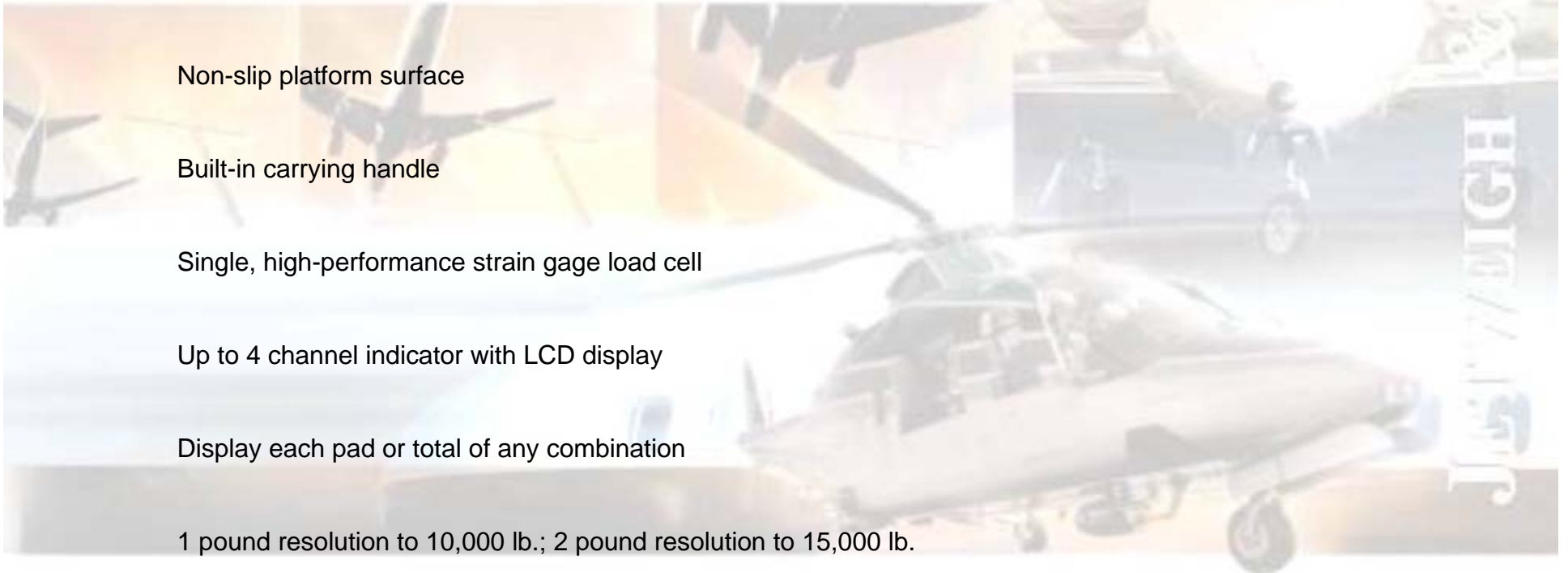
Built-in carrying handle

Single, high-performance strain gage load cell

Up to 4 channel indicator with LCD display

Display each pad or total of any combination

1 pound resolution to 10,000 lb.; 2 pound resolution to 15,000 lb.





Each RoadRunner™ Wheel Weigher System includes:

- 1 to 4 heavy duty cast aluminum platforms with interlocking ramps (10° slope)
- Tire stops (wheel chocks)
- Interconnecting cables and power cords
- Rugged aluminum storage case
- Operating temperature range of -10°F to 120°F
- Storage temperature range of -30°F to 150°F
- 12V DC internal rechargeable battery with 30 hour operation life
- 120V AC wall mount plug
- 7 amp circuit breaker
- RS-232 port for PC interface
- Digital indicator with LCD display and up to 4 channels
- Pound or kilogram readout selectable by operator



JUST HIGH & ROAD RUNNER

Individual System Description

Model	AW2500-3	AW6000-3	AW6000/2500-3
No. of Platforms	3	3	3
Cell Capacity (lb)	2,500	6,000	6,000/2,500
Kit Capacity (lb)	7,500	18,000	14,500
Part Number	97-00409	97-00407	97-00406
Resolution (lb)	1	1	1
System Weight (lbs.)	250	405	405
System Dimensions (in.)	36 x 30 x 24		



Model	AW10000/6000-3	AW10000-3	AW15000-3
No. of Platforms	3	3	3
Cell Capacity (lb)	10,000/6,000	10,000	45,000
Kit Capacity (lb)	26,000	30,000	30,000
Part Number	97-00402	64001-01	64001-02
Resolution (lb)	1	1	1
System Weight (lbs.)	405	405	405
System Dimensions (in.)	36 x 30 x 24		

Model	RR2500-4	RR6000-4	RR10000-4	RR15000-4
No. of Platforms	4	4	4	4
Cell Capacity (lb)	2,500	6,000	10,000	15,000
Kit Capacity (lb)	10,000	24,000	40,000	60,000
Part Number	97-00408	97-00400	97-00410	97-00404
Resolution (lb)	1	1	1	1
System Weight (in.)	270	460	460	466
System Dimensions (in.)	36 x 30 x 24			

SI TECHNOLOGIES®



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RUAG
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