

AC5-45 LP™ Series

LOW PROFILE PLATFORM SCALES

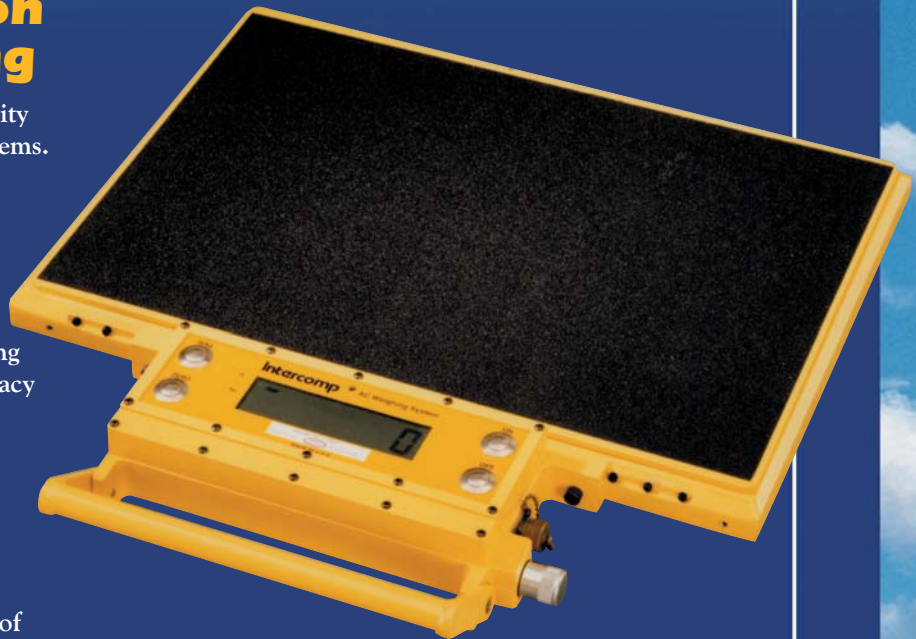


The Next Generation in Aircraft Weighing

Maximizing accuracy, ease of use and portability has been long sought in aircraft weighing systems. Intercomp once again answers the call of the industry by providing the AC5-45LP Series Low Profile Platform Weighing System – *the next generation in aircraft weighing.*

The AC5-45LP series offers a range of models designed to meet your specific weighing requirements. Combines high precision accuracy with a lightweight low profile platform design to provide the easiest to use weighing system. *Wireless communication enables the data to be transmitted to a central processing unit without the use of any cabling.*

Whether you need to weigh a non fixed wing or a wide body aircraft, the AC5-45LP series of scales will enable you to complete the job quickly and accurately. The system can almost effortlessly be brought to the aircraft so weighing can be completed in the easiest and most cost effective manner. Most importantly, this family of scales combines affordability with advanced technology.



Intercomp®
advanced weighing technology . . . by any measure



Platform Design

The Intercomp platform system is fully electronic - no outdated hydraulics or moving parts. All load cells are certified for repeatability and performance to provide a full range accuracy of $\pm 0.1\%$ of applied load (accuracy traceable to U.S. National Institute of Standards and Technologies).

The AC5-45LP Series is designed with portability and ease of use in mind. Because the height is less than half that of traditional platform scales, long and heavy ramps and accessories are not required. The lightweight compact construction enables one person to carry two scales.

Ease of Operation

Simply place the scales in front of the tires and tow the aircraft onto the platform. No adjustments or manual corrections are required - the scale does all the work for you. Simply take the readings and back the aircraft off.

Jumbo-sized Display

Measurements are easy to view from a standing position due to the 1 inch / 25 mm high LCD screen. An automatic back light illuminates the display to improve readings in low light conditions. No more getting on your hands and knees with a flashlight to read a small display. Indications include lb/kg mode, low battery, calibration lock, and auto zero. Additionally, error messages reduce troubleshooting during service incidence. All push buttons are stainless steel and recessed while the entire panel is protected by a lexan shield to prevent damage even if an aircraft tire rolls over the indicator.

Automatic Weight Corrections

A variety of corrections ensure the weight displayed is the weight applied - no need for manual adjustments. Because the effects of gravity can alter weights at different locations, the AC5-45LP Series includes automatic altitude and latitude correction. Unlike hydraulic scales, the AC5-45LP doesn't require lengthy warm up time or multiple pre-loading to prepare the scale for use in various environments. The readings are automatically corrected for changes in temperature due to internal compensation and the fully electronic design. Most importantly, multi span calibration improves linearity and eliminates the use of manual correction tables.

Battery or AC Power

Rest assured you will never be without power. The scale is AC/DC powered by commercially available alkaline or rechargeable batteries and 120/220 VAC sources. The scale requires no special 12 volt batteries or gel cells which are costly and difficult to replace. *If you lose power while the aircraft is loaded on the scale? - no problem.* Just restore power without off loading the aircraft and the weight automatically reappears due to internal memory back up. Intrinsicly safe, Factory Mutual Approved models are available.



AC5-45 LP Series

*The Only Fully Electronic
Low Profile Scales
with Wireless Technology.*



Customer Satisfaction

Intercomp has supplied this system to the world's leading airlines, airframe manufacturers, defense contractors, maintenance centers and military branches. Our twenty plus years of experience in manufacturing scales has enabled us to provide the most sought after features and functions. Furthermore, our commitment to customer service and support has enabled us to keep our customers satisfied years after their purchase. Up to the minute service and support is provided by our factory in Minneapolis, MN, U.S.A. and service center located near Heathrow Airport, UK.

*We invite you to learn more about this innovative technology by contacting Intercomp -
the world leader in aircraft weighing systems.*

THE AC5-45LP IS AVAILABLE IN THREE PLATFORM CONFIGURATIONS.

Select the model that is best for you depending on your weighing requirements and fleet configuration.



AC5-15LP™

Designed for non-fixed wing, single engine, light regional and various military aircraft. The unit of choice for f.b.o.'s, light aircraft manufacturers, and military units.

Capacities:

to 15,000 lbs/ 7,500 kg

Platform Size:

15 L x 15 W x 1.6 H inches

381 L x 381 W x 40 H mm



AC20-30LP™

Weighs almost anything from twin engine to narrow body commercial aircraft. Ideal for maintenance centers and regional airlines.

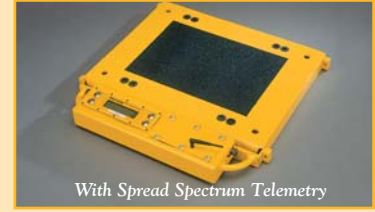
Capacities:

to 30,000 lbs/ 15,000 kg

Platform Size:

22 L x 15 W x 1.6 H inches

558 L x 381 W x 40 H mm



With Spread Spectrum Telemetry

AC45LP™

Lightweight and low profile solution for virtually all types of military and commercial aircraft. Designed to maximize full range accuracy to weigh anything from a F-16 to a B747. The most applicable model for maintenance centers and major airlines.

Capacities:

to 45,000 lbs/ 22,000 kg

Platform Size:

24 L x 30 W x 2.9 H inches

610 L x 762 W x 73 H mm

* Other sizes & capacities available



Accessories

Standard accessories include ramps and axle spacers (applicable by model). They are compact, lightweight and durable. All together, any configuration can be easily transported in the cargo bay of an aircraft. The system is packed in either a MIL SPEC transport case or specially designed transport cart with tow bar. Both have internal charging systems so all scales can be charged while in storage.

AC2000-RF CPU – Wireless Technology with ACWeigh Software

The AC2000-RF CPU is a user friendly and high performance method to centrally control and display all scale information. It utilizes Intercomp's renowned ACWeigh Software to provide a complete weight and balance report and serve as an inventory control manager of all weighing records.

The ACWeigh software uses step-by-step menus to weigh aircraft quickly and accurately. The program is optionally preprogrammed with the most common commercial configurations along with *arm lengths* and *out of level* correction tables. All data is capable of being automatically transferred to an MS Excel spreadsheet for use in any format.

The use of advanced frequency hopping spread spectrum (FHSS) telemetry eliminates the need for cables. No longer do you need to read the display at each scale. Set up your CPU at virtually any site within the hangar and you can simultaneously control and display up to 32 scales.

FHSS technology was developed by the U.S. military to prevent interference or interception of radio transmissions. Standard IR, RF and Direct Sequence wireless communication cannot match the distance, reliability and security of FHSS. Most importantly, FHSS operates on a license free frequency band.

Wireless technology expands the horizon for computing and transmitting data. Combined with the ACWeigh Software, this complete package enables you to simultaneously capture the results of a weighing, compute and verify required data and then transmit a complete report.

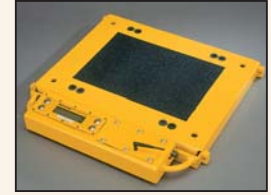
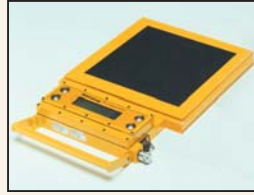
For customers whose local regulations prevent the use of any wireless radio communication, Intercomp offers infrared and hard wire alternatives to communicate directly with the ACWeigh software.

AC2000-RF CPU,
Interconnect cables,
AC Series Platform
Scales and Intercomp
Jack Weigh Kit
digital output load
cells are 100%
interchangeable to
give the customer
total flexibility.



OPTIONS:

- Transport Cart
- Transport Case
- AC2000-RF CPU Computer
- ACWeigh Software
- Telemetry
- Infrared
- Remote Battery Charger
- Factory Mutual - Intrinsically Safe



Specifications

Model	Category	AC5-15LP	AC20-30LP	AC45 LP
Performance	Capacities	5,000, 10,000, 15,000 lbs / 2,500, 5,000, 7,500 kg	20,000, 30,000 lbs / 10,000, 15,000 kg	45,000 lbs 22,000 kg
	Graduation	1, 2, 5 lbs/ 0.5, 1, 2 kg	5 lbs/ 2 kg	10 lbs/ 5 kg
	Accuracy	±0.1% of applied load or ±1 graduation; whichever is greater		
Physical	Platform Size	15 L x 15 W x 1.6 H inches 381 L x 381 W x 40 H mm	22 L x 15 W x 1.6 H inches 558 L x 381 W x 40 H mm	24 L x 30 W x 2.9 H inches 610 L x 762 W x 73 H mm
	Weight	30 lbs/ 13.6 kg	48.5 lbs/ 22 kg	94 lbs/ 42.7 kg
	Construction	High Strength Aluminum Alloys		
Controls	General:	All controls housed within water tight keypad Stainless steel recessed switches Keypad & Display protected by lexan shield		
	On/Off:	Two separate switches for unambiguous operation		
	Zero:	Automatically zeros reading		
	lb/kg:	Sets unit of measure		
	Indications:	Low Battery, lb/kg, latitude/altitude, error messages		
Features	Latitude/Altitude Correction:	Facility to enter values for correction of gravitational effects on mass (default 45°)		
	Calibration:	Multi-span keypad entry (required annually)		
	Motion Detection:	Adjustable sampling of readings to minimize effects of artificial readings		
	Auto Shut-Off:	Turns scale off when not in use to conserve battery life (variable)		
	Backlight:	Automatic sensor illuminates display in low light conditions for improved visibility		
	Battery Backup:	Retains weight values due to loss of power		
	Error Messages:	Advises of errors in electronics to prevent erroneous readings		
	Low Battery Indication:	Advises of low battery status		
Electronics	Circuit Board:	CMOS 20 bit ultra high precision A/D converter with high efficiency micro-controller		
	Transducer Type:	Fully Electronic Shear Beam Load Cell		
	Input/Output:	RS232 or RS485		
	Display:	1" / 25 mm high LCD		
	Power Source:	12 VDC, 120/220 VAC		
	Batteries:	Shipped with applicable commercially available AA or D size rechargeable batteries Will also accept commercially available AA or D size alkaline batteries		
	EMI/RFI:	Meets Mil-Spec 461 and Euro EMC directives		
Humidity:	5-99% Non-condensing			
Temperature	Operating:	14°F to 122°F (-10°C to 50°C)		
	Storage:	-40°F to 170°F (-40°C to 75°C)		

Specifications Subject To Change Without Notice. AC5-15LP, AC20-30LP, AC45LP and AC5-45LP are registered trademarks of Intercomp Company.

Contact Intercomp for higher capacity AC30-60 platform scales or JW load cell kits for other aircraft weighing applications.

Intercomp[®]
advanced weighing technology... by any measure
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