

# Aircraft Platform Weighing Systems

AC15/40/60-LP™ Low-Profile Scales

AC30-60™ Series Platform Scales



INTRINSICALLY  
SAFE CERTIFIED



## **Fully Electronic Low-Profile, & Lightweight Aircraft Scales**

Our customers rely on Intercomp's 40 plus years of applications experience designing and manufacturing accurate and reliable high capacity portable platform scales. Some of the aviation industry's most ambitious programs have relied on Intercomp platform scales for flight test, production and delivery. From the NASA Space Shuttle, to Air Force One, Lockheed Martin F-35, Northrop Grumman RQ-4 Global Hawk, Boeing C-17, Embraer E-series to the Airbus A380 and the world's leading airlines – the industry looks to Intercomp to deliver certainty at every weighing. Intercomp's technology is based on fully electronic load cells which are NTEP/OIML certified for accuracy. The scales are calibrated with NIST traceable equipment to ASTM standards prior to delivery, and incorporate the same type of technology used by the world's leading airframe manufacturers.

Intercomp platform scales are built to the highest quality standards, with intrinsically safe certified scales across the range of platform sizes and capacities, to meet your specific aircraft weighing requirements.

# AIRCRAFT PLATFORM WEIGHING SYSTEMS

Fully-Electronic | Low-Profile | Lightweight

## Engineered for Precision

Accuracy and repeatability are what you expect from your weighing equipment. Being certain in your results justifies your investment and why every Intercomp scale uses fully-electronic self-contained temperature compensated load cells. They deliver repeatable and stable readings; maintain unparalleled zero return while eliminating shear beam leveling, warm up time, and leaks associated with hydraulically actuated load sensing technology. CNC machined aerospace-grade billet-aluminum platforms provide the necessary rigidity and are joined to the load cells requiring no centering of the aircraft tires. Advanced, multi-point keypad calibration, via direct connection of the main circuit board to load cells, provides enhanced signal conditioning and linearity through the full range of capacity.

- 0.1% Accuracy
- Temperature Compensation
- Mitigates Side Loads
- Advanced Multipoint Calibration Technology

## Optimized for Ease-of-Use

The advanced circuitry generates an array of corrections and monitors performance so you don't have to. On-board diagnostics provide error messages and alerts users to changes in performance of specific load cells. Weights can be easily viewed from a standing position due to the large 1" (25 mm) high LCD display with auto back light. The scales operate on commercially available rechargeable or alkaline batteries for up to 300 hours virtually freeing you from manual recharging and battery replacement before every use. Put control of the weighing process in your hands via Intercomp RFX™ Wireless Weighing Technology enabling direct communication between scales and software for PC's and Tablets enabling you to simultaneously view and operate scales using encrypted license free radios.

- Easy to View & Control
- On-Board Diagnostics
- Low Power Consumption Provides Long Battery Life
- RFX™ Wireless Communication Standard in All Platform Scales

## AC15-LP™ for Military, Non-Fixed Wing, UAV's & General Aviation



**CAPACITY** Up to 10,000 lb (5,000 kg) Standard  
Other Capacities Available  
**PLATFORM SIZE** 15" x 15" x 1.5" (381 x 381 x 38 mm)

## AC40-LP™ for Military, Regional & Narrow Body Aircraft



**CAPACITY** Up to 30,000 lb (15,000 kg) standard  
Other Capacities Available  
**PLATFORM SIZE** 22" x 15" x 1.7" (559 x 381 x 43 mm)

## AC60-LP™ for Military & Commercial Aircraft



**CAPACITY** Up to 60,000 lb (30,000 kg) Standard  
Other Capacities Available  
**PLATFORM SIZE** 22" x 28" x 2.25" (559 x 711 x 57 mm)

## AC30-60™ Certified for Delivery of Military & Commercial Aircraft



**CAPACITY** Up to 60,000 lb (30,000 kg) Standard  
Other Capacities Available  
**PLATFORM SIZE** 24" x 30" x 4" (609 x 762 x 101 mm)

## GaugeSense™ Technology

GaugeSense™ Technology actively senses, corrects, and controls to provide the most exact and reliable means of measurement for aviation weight and balance operations.

- Temperature variation is internally compensated for, enabling rapid deployment and weighings without waiting for scale warm up
- Load position insensitivity, allowing accurate weights with wheel placement anywhere on the active weighing platform
- Side and angle loads mitigated, actively measuring only vertical loads
- Repeatability with excellent zero return, minimizing load cell memory between weighings experienced with other aviation scale technology
- Overload protection of 150% of scale capacity, while maintaining a life span of millions of cycles at designed capacities.
- Linear response over entire weighing range. This linear load cell response only requires 3 point span, and Intercomp scales eliminate the need for correction tables used by competitors systems

Intercomp's fully-electronic load cells and Platform Scale Systems incorporate GaugeSense™ technology and Intrinsically Safe Certification as standard features of aircraft scale systems. Ongoing enhancement and development of weighing systems is another reason why Intercomp continues to be the global leader as the provider of weight and balance equipment to the aviation industry around the world.



## Aircraft Platform Weighing Systems



Intercomp Platform Scales use high-accuracy, fully electronic, shear beam load cells. These are the same load cells used by airframe manufacturers around the world. Intercomp's technology is based on fully electronic load cells certified for accuracy by the **National Type Evaluation Program (NTEP)** and the **European Office of Legal Metrology (OIML)**.



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### Intrinsically Safe Platform Scales

Intercomp has combined field proven reliability into lightweight, low-profile scale designs that have the **ATEX** certification required for aircraft weighing.

The scales are available as **Intrinsically Safe Certified** for use in aircraft hangars when fuel and fumes are present. No other range of aircraft scales offers operators and maintenance personnel this qualification.

## Simplify the Aviation Weighing Process...



*Laptop not Included*



### iACWeigh® App

Intercomp's Versatile App for iPad®:

- Free App from App Store(Allows Manual Entry)
- Communicate & Control Scales with RFX™/WiFi Module (*Sold Separately*)
- Bundled Accessories Available with iPad®, Module & Printer (with Module)
- Calculates Center of Gravity
- Save, Review, Export & eMail Weight Records
- Zero Scales Remotely
- Converter Communicates Directly with AWBS App by Lockheed Martin

### ACWeigh® Software

Fully-Featured Software to Meet Your Requirements:

- Ideal for Multiple Scale or Aircraft Configurations When Monitoring Weight Over a Long Period of Time
- Handle Weighing Procedures, Inventory Adjustments, Calibration Data of Scales, Aircraft Type, Registration, Non-Level Weighing & Rotation of Equipment
- Built-In & Custom Layouts
- Export Data into Excel Spreadsheets
- Weights Can be Read Automatically via the USB Wireless Node

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