

AC40-LP™ Low-Profile Aircraft Scales

Lightweight, Platform Weighing for
Commercial Aircraft



INTRINSICALLY
SAFE CERTIFIED



Precision Meets Portability

The **AC40-LP™** combines aviation industry leading accuracy in a platform that weighs just 49 lb (22 kg). The low-profile platform eliminates the need for long ramps and enables the aircraft to be easily towed on to the weighing surface. Intercomp's GaugeSense™ technology includes fully-electronic shear beam load cells with state-of-the-art strain gauge load sensing and electronics. These mitigate the effects of side and rotational forces, and load cells are linearized to deliver accurate and repeatable results through the entire range of capacity.

Each scale contains an easy to read 1" (25 mm) high LCD with back light. Individual load cells are connected directly to the main circuitry and read through low-noise 24 bit analog-to-digital converters, while the firmware allows for precise digital keypad calibration, saving you time at certification. On board diagnostics continuously monitor the status of the scale, while built-in temperature compensation and digital filtering provide stable readings with excellent zero return for added assurance in your readings.

Commercially-available AA (LR6) alkaline batteries power the highly-efficient intrinsically safe circuitry up to 200 hours, eliminating the need to charge your scales.

www.aircraftscales.ca



Aircraftscales.ca

Intercomp®
advanced weighing technology ... by any measure

AC40-LP™ Low-Profile Aircraft Scales

Aerospace-Grade, Billet-Aluminum,
Low-Profile Platform Requires
No Centering of Tire

Easy Viewing of Weights Via
1" (25 mm) High LCD with Auto
Back Light

Up to 200-Hour Run Time
Using Alkaline Batteries which
Eliminate Manual Recharging



Fully Integrated Wireless Communication
with No External Antennas for Remote Viewing
& Control Up to 300 ft (90 m) Line of Sight

On-Board Diagnostics Provides Error
Messages & Alerts User to Changes in
Performance of Specific Load Cells

Fully Electronic, Self-Contained, Temperature
Compensated Load Cells Eliminate Leveling,
Warmup & Leaks Associated with Hydraulically
Actuated Load Cells

Optimal Linearity Multi-point Calibration via
Direct Connection of Circuitry to Load Cells
Eliminated Need for Summing Boards

CAPACITY	30,000 lb (15,000 kg)	40,000 lb (20,000 kg)
PLATFORM SIZE	22" x 15" x 1.7" (559 x 381 x 43 mm)	22" x 15" x 2.0" (559 x 381 x 50 mm)
WEIGHT	49 lb (22 kg)	54 lb (24.5 kg)
GRADUATION	User Selectable	
ACCURACY	± 0.1% of Reading*	

*Overall performance may be affected by graduation size, capacity, and calibration parameters

Simplify the Aviation Weighing Process...



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

Laptop not Included



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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