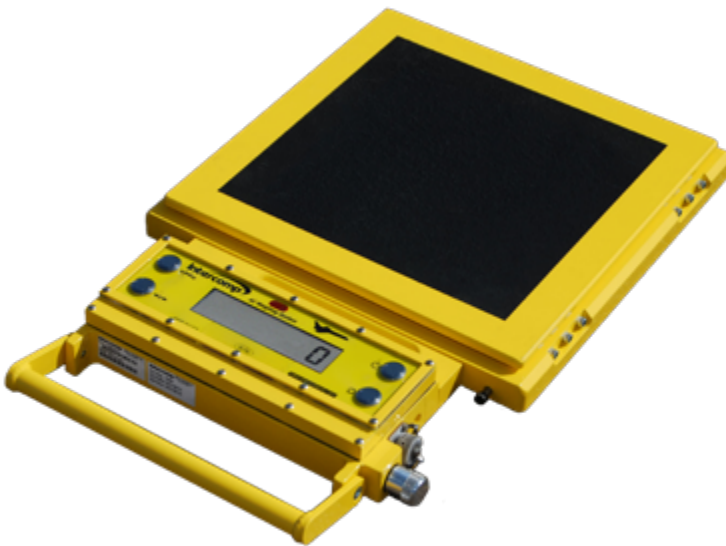


Application Note

AC15-LP™ Scales

eVTOL Aircraft Weighing Solutions

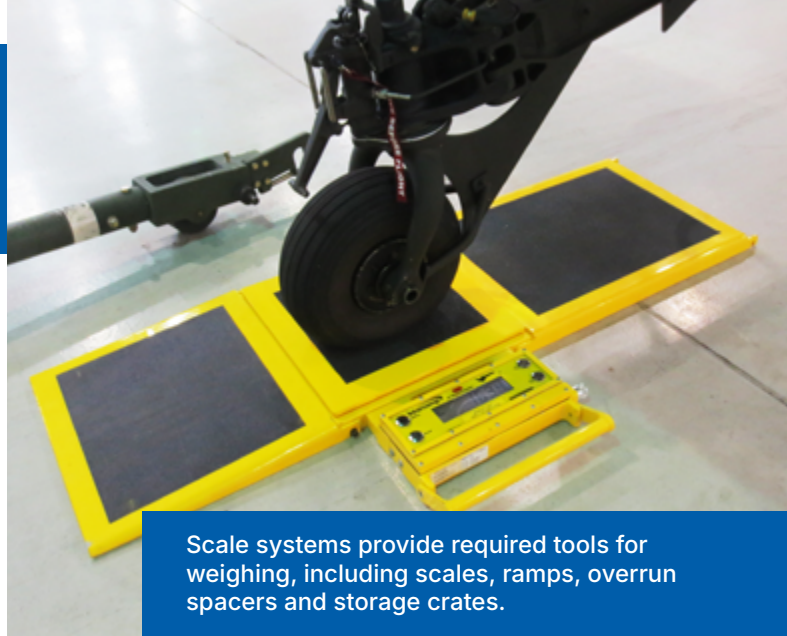
Aircraft weights have a dramatic effect on lift, propulsion, control (pitch, roll, yaw) and battery longevity. Weigh and balance procedures are a critical part of any eVTOL development program. About one-third of gross weight consists of just the airframe. During the prototype stage, engineers work to identify weight savings for maximum efficiency. This translates to increased payload, passengers, or longer flight duration. Some of the fastest growing eVTOL companies has chosen Intercomp's solutions for their programs.



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



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Scale systems provide required tools for weighing, including scales, ramps, overrun spacers and storage crates.

Each eVTOL aircraft is unique, therefore the weighing needs may differ from company to company. Two of Intercomp's eVTOL customers required real-time weight measurement, as well to integrate that data with the vertiports used. Intercomp's [AC15-LP™ Low-Profile Aircraft Scales](#) have remedied these challenges.

The [AC15-LP™](#) combines aviation industry leading accuracy in a platform that weighs just 39 lb (18 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.

The eVTOL companies chose Intercomp due to its brand reputation. Intercomp is known for providing accurate, mobile, and easy to use weighing systems. Intercomp's Director of Weight and Balance Training, Patrick McIntyre, consulted with each eVTOL company and demonstrated the seamless connection between AWBS software and Intercomp scales. Intercomp is proud to be a one-stop shop for the vast weight needs of the eVTOL industry.