

Rapidly Weighing Widebody Aircraft – Airbus A380

As part of scheduled maintenance for airframes, weighing is necessary to establish current and accurate weight and balance prior to releasing the aircraft back into service. Rapidly weighing widebody aircraft, such as the Airbus A380, presents challenges with their significant Operating Empty Weight (OEW) and multiple landing gear.

An efficient and effective aircraft scale system will both lower labor costs, and increase “up” time by placing an aircraft back into service more quickly.

With a landing gear configuration of 22 wheels and OEW of 600,000 lbs (272,000 kg), the A380 requires a large number of high-capacity aircraft scales for a weighing. Intercomp's AC60-LP™ low-profile high-capacity wireless scale enables rapid deployment, accurate weighing, and convenient storage of the scale system.

Ramps incorporated into the storage and transport carts allow technicians to take advantage of the wheels integrated into the design of the AC60-LP™. Single-person portability of the scales enables deployment and storage of the entire kit to be accomplished in minutes without ever needing to completely lift the scales.

The fully-electronic scales incorporate Intercomp's GaugeSense™ technology, which mitigates temperature effects without waiting long periods of time for temperature equilibration as seen with other weighing technologies. This technology also provides accurate and repeatable weights with tire placement anywhere on the active weighing platform, making weighings both easier and faster for the technicians.

Rapid, accurate, and repeatable weighings with quick storage of AC60-LP™ wireless platform scales results in safe, measurable benefits for weight and balance operations.



Staging weighing equipment for the A380



Carts store ramps, spacers, stops, and platform scales with integrated wheels, with ramps for rapid deployment



Wireless, low-profile AC60-LP™ scales for the A380 main landing gear

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Product Video**

