Solutions for Aeronautics

FOR ON-FLOOR TESTING...

Structural tests, floor tests

Examples of structural testing applications realized by Scaime:
- Wing resistance testing
- Material testing
- Landing gear resistance testing
- Power testing of aircraft engines
- Positioning of parts in production

FOR THE MAINTENANCE...

Helicopter and aircraft weighing

VPH-3Z system dedicated to helicopter or aircraft weighing. It provides an accurate weighing solution for the monitoring of the aircraft's center of gravity to ensure it remains within airworthiness limits.

VPH-3Z system consists of:
- 1 standard load cell ZA30X 5 t.
- 1 aluminium flight case (ATA300 certified)
- 3 factory calibrated weighing devices (5 t capacity, 1 kg resolution)
- 1 stainless steel load cell ZA30X 5 t.
- 1 jack adapters
- 1 handheld self-powered weighing indicator IPM 25

Scaime se réserve le droit d'apporter toutes modifications sans avis préalable.

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Téléchargez tous nos documents sur notre site internet...
A partner who gives wings to your project...

SCAIME designs high-performance components dedicated to aircraft industry for more than 30 years. Expert of force measurement for In-flight applications, our transducers are manufactured in France and now equip many major aeronautical programs.

OUR TECHNOLOGICAL EXPERTISE...

Our know how and our modern development means (CAD, finite element analysis, laser welding, ...) allow us to design and produce according to your specifications:

- strain gages sensors
- electronics for signal processing
- force sensors with embedded electronics

We have the experience and in-house capabilities to develop specific sensors, ensuring a high level of quality throughout the program and, whatever you need to accurately measure:

- a weight
- a stress
- a deformation
- a force
- a torque
- a displacement

A QUALITY WITHOUT COMPROMISE...

Our Quality Management system is certified according to EN 9100:2009 and ISO 9001:2008 standards. These achievements confirm that we apply the highest quality requirements of aeronautic industry especially for First Article Inspection (FAI), configuration management and product traceability.

This commitment allows us to supply many aircraft manufacturers: EADS, Airbus Helicopters, SKF Aerospace, USI Aerospace, Rother Figeac...

FOR IN-FLIGHT CONTROL...

Releve devices for helicopter hook
- Onboard force sensor
- Installed into the lateral and belly lifting system of helicopter
- Overload detection

THSA - Trimable Horizontal Stabilizer Actuator
- Integrated load pin

Applications in aerospace
- Position measurement to monitor the stage separation of a rocket
- Force measurement to check the tightening screws on ballistic missiles

Joystick instrumentation
- Instrumentation of flight control joystick
- Force measurement in the pitch and roll axis of the joystick
- Flight actuators control, pilot assistance

Flight control monitoring
- Force sensor integrated on flight control
- Measurement of forces exerted by the pilot on the flight controls
- Measurement recording by the flight data recorder

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