



AEROSPACE SOLUTIONS

LOAD-FORCE-TORQUE SENSORS



LOAD CELL
MANUFACTURER



EN 9100
COMPLIANT

* Available for models : 5000, 5100, 5105, 5300, 5600, 5560, 2600, 2960

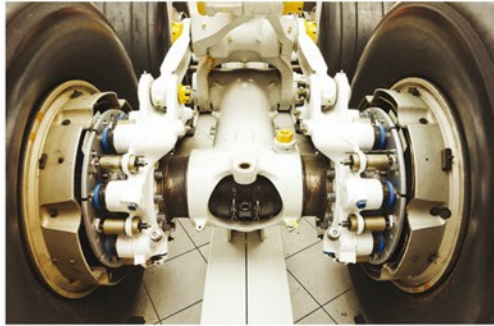
OUR STRENGTHS

SENSY S.A. develops and manufactures both **standard** and **custom-made load cells**, load pins and force transducers. These sensors are intended for systems for load limitation, effort or force measurement (**from 10 N to 50 MN / 5 000 tf / 10 000 000 lbf**), torque measurement (**up to 1 MNm / 750 kft-lb**), and level measurement (for silos and tanks).

In addition to the most demanding aerospace applications we also design transducers for all industrial and oil and gas sectors. This means that we develop sensors which can work in the harshest of environments (high temperatures, underwater to depths of **5 000 m / 16 000 ft**, **Ex-certified** for use in potentially explosive atmospheres, etc.).

MEASUREMENT ON THE GROUND

- ▶ Structural force testing
- ▶ Landing gear drop test
- ▶ Aircraft weighing and center of gravity measurement
- ▶ Multiaxial force and torque measurement in wind turbine
- ▶ Jet engine thrust stands
- ▶ Force measurement on flight simulators
- ▶ Torque/motor test stand
- ▶ Force transducer for gripping tool



EXAMPLES



9100S



2962



5105



5180



5000



5930S



2960

EMBEDDED FORCE SENSORS

Helicopters



Measuring pedal force

Monitoring the force applied to joysticks

Rotors balancing

Load limitation of embedded hoisting devices



Aircrafts

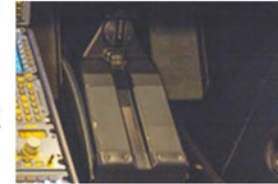


Aircraft control column
(Torque and thrust biaxial sensor)

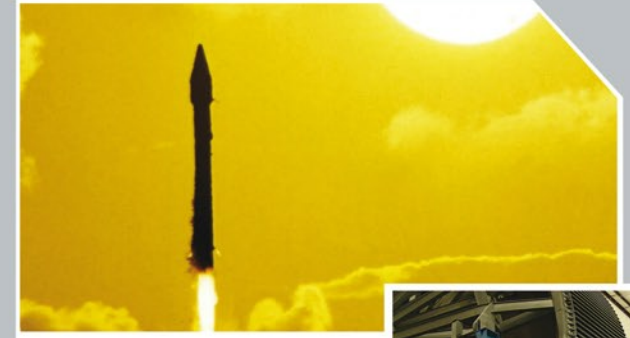
Load pin for THSA
(Trimmable Horizontal Stabilizer Actuator)

Force measurement on flaps

Multiaxial force and torque measurement on the joystick



Rockets

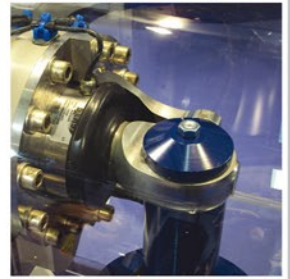


Structural force testing

Force measurement of actuators

Measurement of the rocket engine thrust

Embedded load cells



EXAMPLES



5000-DP



5930-5960



5000-T



9PEBR



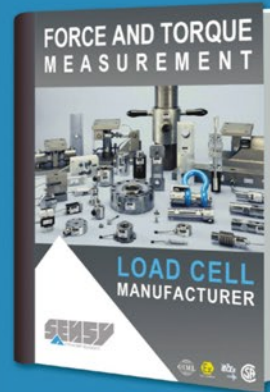
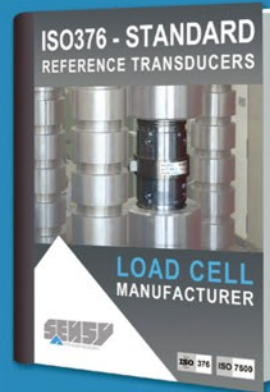
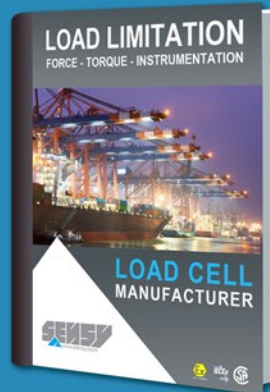
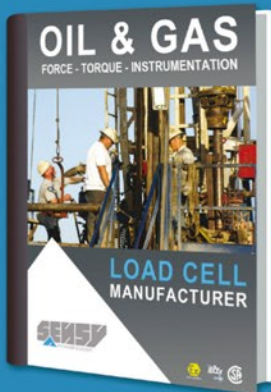
9960S

KNOW-HOW AND FLEXIBILITY THE WAY TO EXCELLENCE

SENSY factory



OUR OTHER MARKETS



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