



Ekinler USA Inc.

Aviation Industry
Presentation



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Temperature Sensor



Speed Sensor

SENSOR SOLUTIONS



Pressure Sensor



Pressure Transducer



Hybrid Pressure Sensor



Pressure Sensor

Pressure sensors are among the most widely used instruments in aerospace, measuring everything from engine gas path pressures and hydraulic fluid pressure to cabin pressurization.



Oil Temperature & Pressure Sensor

The PTOIL sensor is a combined oil pressure and temperature sensor used in aircraft engines to monitor lubrication system health. It integrates a pressure transducer and a temperature sensing element into a single unit, reducing weight and wiring complexity.



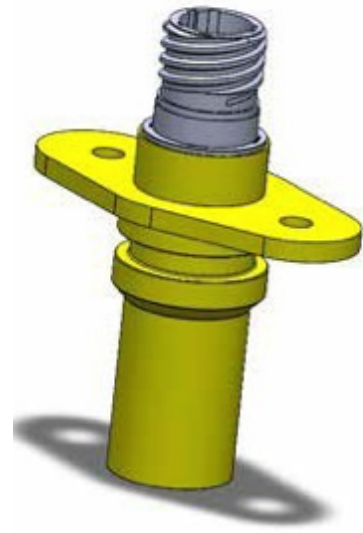
LVDT Sensor

An LVDT (Linear Variable Differential Transformer) is an electromechanical sensor that converts linear displacement (physical movement) into a proportional electrical signal. It's one of the most widely used position sensors in aerospace because of its exceptional reliability and precision.



Temperature Sensor

A PT100 **RTD-type** temperature sensor used for measuring the temperature. **RTDs** (Resistance Temperature Detectors) are passive sensors made by winding or using a film of conductive material, with resistance that varies according to temperature. They do not require external power.



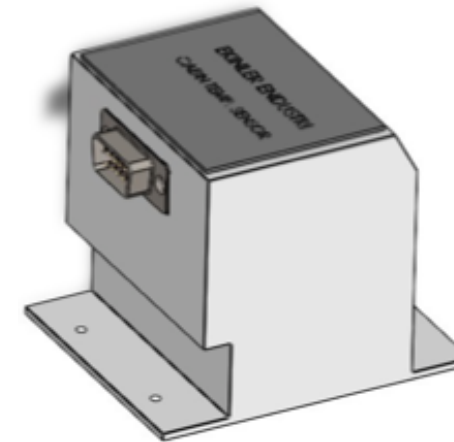
Helicopter NR Sensor Project

This is a VR speed sensor used to measure the speed of the main and tail rotor transmission in helicopters.



UAV Microswitch Project

These are switching elements with an SPDT (Single Pole Double Throw) contact structure, used in UAV mechanisms.



VTS Sensor Project

This is a temperature sensor used to measure the cabin and cockpit ambient temperature.



PRESSURE TRANSDUCER

This is a pressure sensor used to measure pressure with high accuracy and converts the signal into serial communication standards (RS485).

THANK YOU!

Oil Mini-Module
AM 414