

Aero Sense Corporation



Founded in 2007 in Valencia, California, Aero Sense specializes in sensors and transducers, including rotary and linear position sensors (RVDTs and LVDTs), proximity sensors, force sensors (LVDT-based), and solenoids for the aviation/aerospace and industrial markets. Dedicated to innovative engineering and robust, cost-effective manufacturing solutions, providing comprehensive solutions from product development to qualification.



LVDT & RVDT

Aero Sense provides single, dual and triple channel LVDT and RVDT. With a temperature range from -76° to $+232^{\circ}$, a pressure range 9000 Psi and higher and our stroke range is from 0.020" up to 16". They are capable of producing longer strokes if needed.

Aero Sense Engineers have decades of design and manufacturing experience in precision transducers for the Aircraft Flight Controls, Engine Controls, Landing Gear, Cockpit Controls, HSTA (Horizontal stabilizer trim actuator), etc.

LVDT by number channels

- Single Channel
- Dual Channel
- Tripple Channel

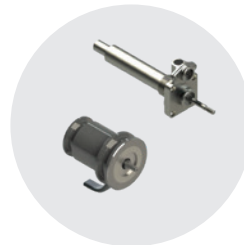
LVDT by Design

- Detached Armature Assembly Design
- Sleeve Over Sleeve Design
- Spring Loaded Design
- Spring Loaded Sleeve Over Sleeve Design



LVDT by Temperature range

- Temperature from -76° to $+232^{\circ}$ with ongoing efforts to achieve higher temperature capabilities



LVDT by Pressure range

- Pressure 7500 Psi and higher



LVDT by stroke range

- Our current stroke range is from 0.020" up to 16".
- We can produce longer strokes if needed
- Longer strokes available on request

FAA repair station

AeroSense is an approved FAA repairstation, for different applications and expanding the variety of the units to be repaired at AeroSense.

Some examples are:

- Thrust reverser locking actuator
- Variable Stator Vane Actuator
- Air-oil cooler valve
- Modulating active clearance control valve Spoiler actuator
- Low-Pressure Compressor (L.P.C.), Bleed Master Actuator
- "Lateral Control", "Pitch Control" and "Rollout Guidance" autopilot
- Tail Rotor LVDT

Design and Analysis

Stress, Deflection & Damage Tolerance Analysis

- Vibration Analysis
- PFMEA & FMEA Analysis and report
- MTBF Analysis and report
- Concurrent Engineering
- Cross-disciplinary project teams
- PDR & CDR Analysis, Support & Documentation
- Trade Studies, Optimization, Analysis, Reports and Data Submittals
- Supplier Data Requirements
- Full Program Management and Program Technical Support



RVDT Channel Number

- Single Channel
- Dual Channel
- Tripple Channel



RVDT Standard design



RVDT With anti backlash gear reduction design



RVDT Temperature range

- Temperatures from -76° to + 232°



Inductive proximity Transducers and sensors



Solenoids