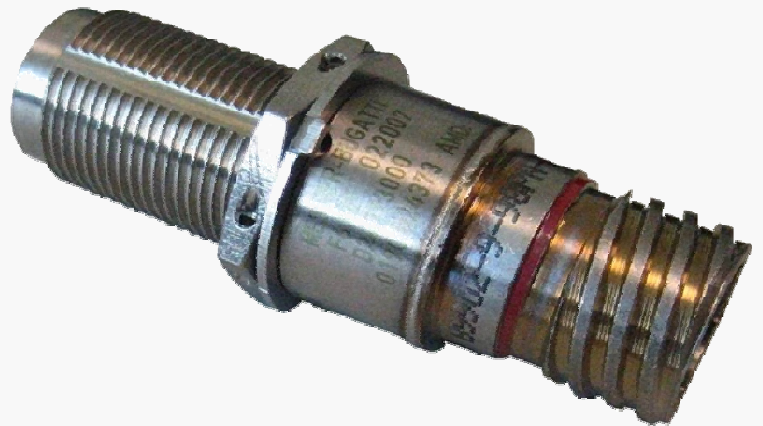


**Rectangular Sensor**



**Round Sensor**

# Proximity Sensors

## High Integrity Contactless Position Sensors for Aircraft

### Features

- Stainless steel housing
- MIL-STD-38999 connector
- Hermetically sealed
- 1,000,000hr reliability
- Round or rectangular designs
- Low weight

Proximity Sensors are used on aircraft for sensing the position of critical structures including landing gears and doors, passenger and cargo doors, slats and flaps and thrust reversers.

Our Proximity Sensors are sealed units that produce a small electrical signal when in proximity to the metal structure that they are positioned to sense.

The small electrical signal is received by Ultra's Controller which processes these signals and determines the position of the aircraft structure.

The Proximity Sensors are available in either Round or Rectangular designs. Round sensors are used for standard locations and Rectangular design for critical locations - where the dual core is required.

### Existing aircraft types

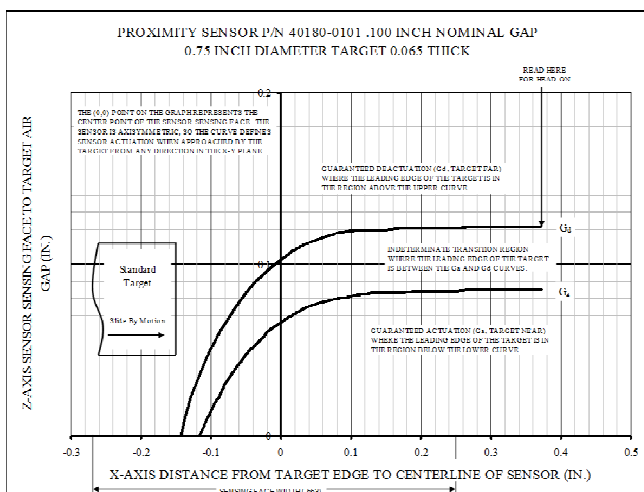
The Proximity Sensors are fitted to the following civil aircraft:

- Boeing B787
- Airbus A400M
- Gulfstream G650 business Jet
- Mitsubishi Regional Jet

# Proximity Sensors

Ultra can provide customers with all data necessary to use the Proximity Sensors in their system designs including

- Detail dimensions
- Ga/Gd actuation curves
- Qualification test schedule
- Electrical outputs
- Standard target data



Typical actuation Ga/Gd curve graph

## Reliability

Ultra offers a 1,000,000 flying hour reliability on both the Round and Rectangular sensors.

## Key features

- MIL-STD-38999 connector
- Hermetically sealed construction
- Stainless steel housing
- Weight: Round Sensor 0.1134lbs
- Weight: Rectangular Sensor 0.1181lbs

## Product Category

ATA32.

## Development Lead Time

These parts are existing units that require no development.

## Production Lead Time

Products are normally produced within 6 months from receipt of orders



**Ultra Electronics**  
CONTROLS  
417 Bridport Road  
Greenford, London  
UK GL51 9PG

Tel: +44 (0)20 8813 4444  
Email: sales@ultra-controls.com  
www.ultra-controls.com  
www.ultra-electronics.com

Ultra Electronics reserves the right to vary these specifications without notice.

© Ultra Electronics Limited 2011.