

# FLOWMETERS & PRESSURE SENSORS

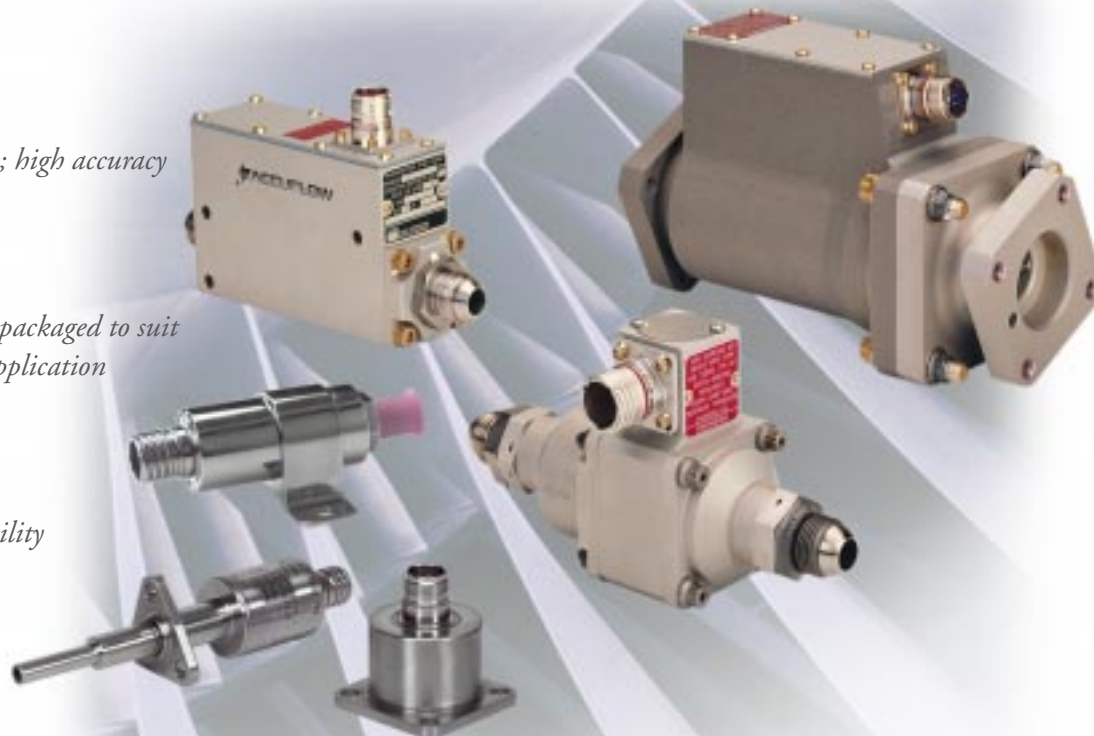
## FOR AIRCRAFT TURBINE ENGINES

*Fuel flow and pressure sensing for harsh turbine engine environments*

*High performance; high accuracy*

*Core products are packaged to suit your individual application*

*Exceptional reliability*



**E**LDEC offers fuel flowmeters and a wide variety of pressure sensors specifically for the harsh environment of turbine engines.

As the pioneer of true mass motorless flowmeters, ELDEC provides you a full line of flowmeters that measure the fuel flow rate for turbine engines directly in mass, not volume, for unmatched accuracy. You're assured exceptional reliability backed by over 25,000 units in service and an MTBF of 50,000 hours. Plus, you can be confident that we're continually improving performance to give you the very highest in reliability and accuracy.

In addition to our flowmeter product line, ELDEC offers high-performance pressure sensors that are ideal for demanding turbine engine applications. They can be configured for use as a sensor, a switch or a transmitter. In all variations, ELDEC pressure sensors incorporate our Silicon-on-Sapphire sensing technology. Typical applications include:

- Oil pressure sensor
- Oil or fuel filter differential pressure sensor
- Stall detect pressure sensor
- Engine control pressure sensor
- Bearing compartment pressure sensor

### **The ELDEC Advantage**

You can trust ELDEC for your turbine engine needs now and in the future. ELDEC was the first company to provide motorless true mass fuel flowmeters for commercial aircraft and remains both the technical and value leader today.

With over 30 years of turbine engine experience, ELDEC understands the harsh aerospace environment. You can be sure that the ability to withstand high temperature variations, vibration, HIRF – and other environment extremes – is built into ELDEC flowmeters and pressure sensors.

### **Your Needs**

ELDEC flowmeters and pressure sensors are adaptable to all engine thrust classes and can be packaged to suit your individual application. Let us help you design a solution for your turbine engine application. Give us a call, or check out our web site at [www.eldec.com](http://www.eldec.com).

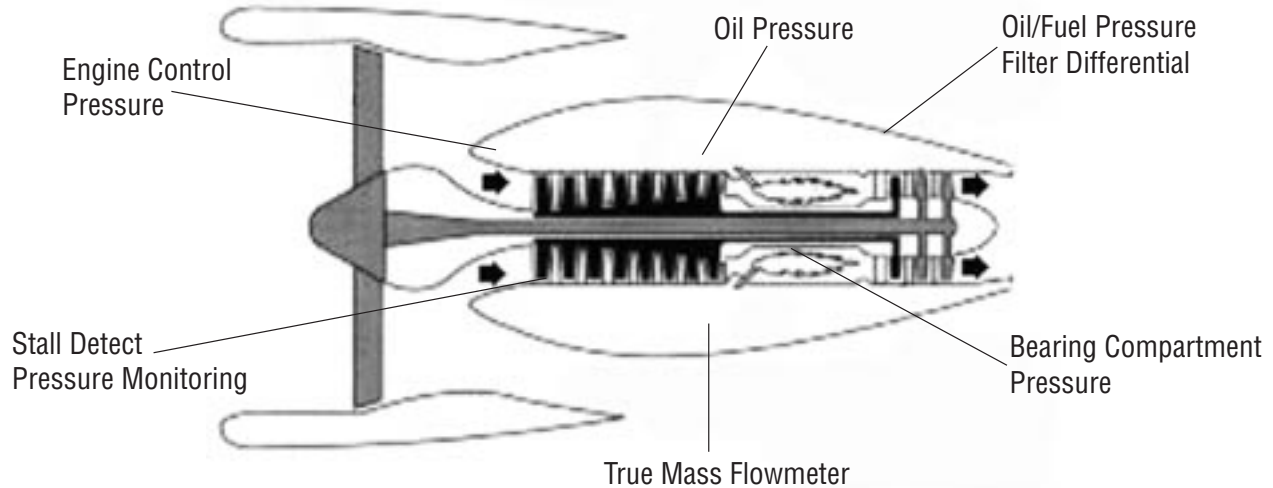
**CRANE**<sup>®</sup>

**ELDEC CORPORATION**  
A CRANE CO. COMPANY

# FLOWMETERS AND PRESSURE SENSORS

## FOR AIRCRAFT TURBINE ENGINES

### APPLICATIONS



### SPECIFICATIONS

#### Flowmeters

##### Flow Ranges:

Low range:	70 lbs/hr to 3,000 lbs/hr (32 kg/hr to 1,361 kg/hr)
Mid range:	130 lbs/hr to 6,000 lbs/hr (59 kg/hr to 2,722 kg/hr)
High range:	280 lbs/hr to 46,000 lbs/hr (127 kg/hr to 20,866 kg/hr)

##### Physical characteristics:

- Rugged machined housings
- Pressure fittings to suit
- Electrical connectors to suit
- Flight weight designs

##### Environmental:

Fuel temperature ranging from:	-65° to +400° F (-55° to +200° C)
Vibration:	>20 g's
Fuel pressures:	>1200 psi

#### Pressure Sensors

##### Operating pressure:

15 psi to 750 psi full scale, factory set

##### Range:

Absolute, Differential or Gauge

##### Physical characteristics:

- Rugged machined housings
- Pressure fittings to suit
- Electrical connectors to suit
- Flight weight designs

##### Environmental:

Temperature:	-65° to +500° F (-55° to +260° C)
Vibration:	>20 g's

PARTNERS FOR SOLUTIONS YOU CAN COUNT ON

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