AUXITROLWESTON
ADVANCED SENSORS

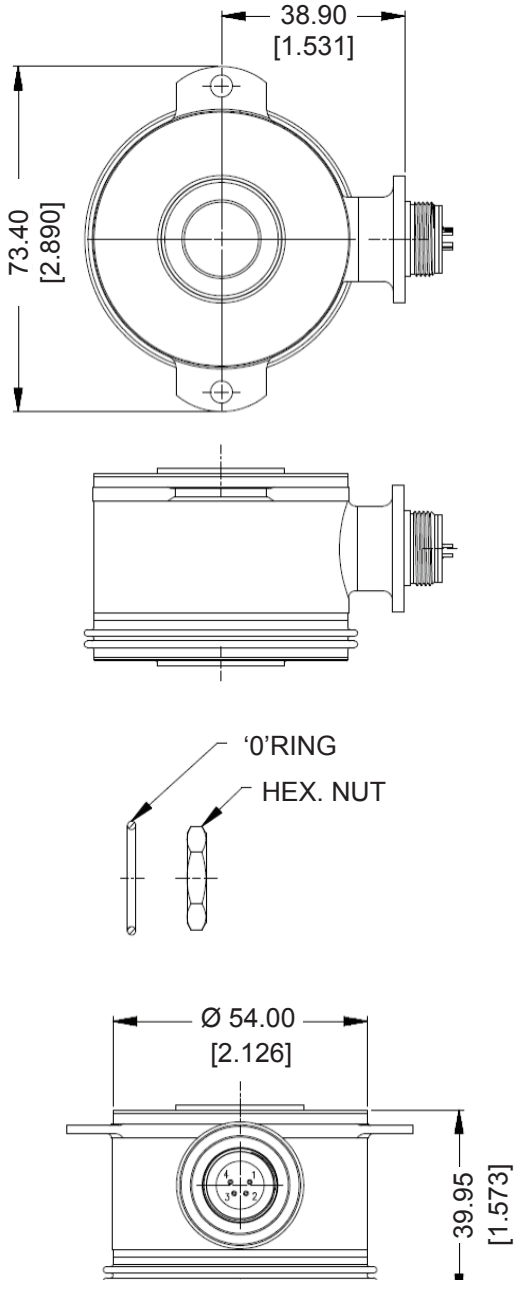
7825 Fuel Densitometer

FEATURES
- 0.1% Accuracy
- 0.03% Stability (per year)
- Rugged - No Moving Parts
- Compact Size & Low Weight Aviation Fuel Compatible
- Intrinsically Safe

BENEFITS
- Accurate calculation of fuel mass
- Zero maintenance
- Long re-calibration intervals
- In-Tank installation

APPLICATIONS
- Boeing:
  B747 / B757 / B767 / B777
- Airbus:
  A330 / A340

- Used in many high performance aviation fuel quantity indicating systems that provide fuel mass measurement, the 7825 liquid densitometer is a small, light and highly accurate in-tank transducer, which provides a continuous measurement of fuel density.
- Using the flight-proven vibrating element technique, developed by Auxitrol Weston at Farnborough since 1957, the current densitometers have been in service since the late 1990s.
- Specific mounting and signal conditioning arrangements can be supplied to meet particular customer requirements.
- Designed for zero maintenance, the sensor head allows the fuel unrestricted access. Complex liquid paths, small gaps and crevices have been eliminated so any gas or other contamination released from the fuel will not become trapped and cause measurement errors.



UNITS: MILLIMETRES [INCHE]

Typical Performance Specification

Fuel Compatibility	All worldwide aircraft fuels
Density Range	600-900 Kg/m3
Temperature Range	- Operating -55 to +60°C - Survival -55 to +85°C
Pressure Range	0.1 to 4 Bar (Absolute)
Viscosity Range	0.5 to 30cS
Calibration Accuracy	Better than ± 0.1% of reading
Repeatability	Better than ± 0.01% of reading
Long-Term Stability	Better than ± 0.03% of reading per year
Output Signal	Frequency output related to density: - each sensor is supplied with a unique set of calibration coefficients
Weight	300g Max

Examples shown above are for information, dimensions can be modified to meet unique installations

Featuring AUXITROL, WESTON & NORWICH products

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