

Features

- Drop-In Replacement for Honeywell Air Data Transducer
- 0.01% Accuracy
- 0.001% Resolution
- Reliable surface mount design.
- Can be Field Calibrated in Same Manner as Honeywell BeCu Transducer.
- Frequency Output, TTL Compatible
- Low Power Consumption
- NIST Traceable Calibration
- High Stability and Reliability
- On-Board Characterization Memory
- Fully Calibrated and Characterized

Description

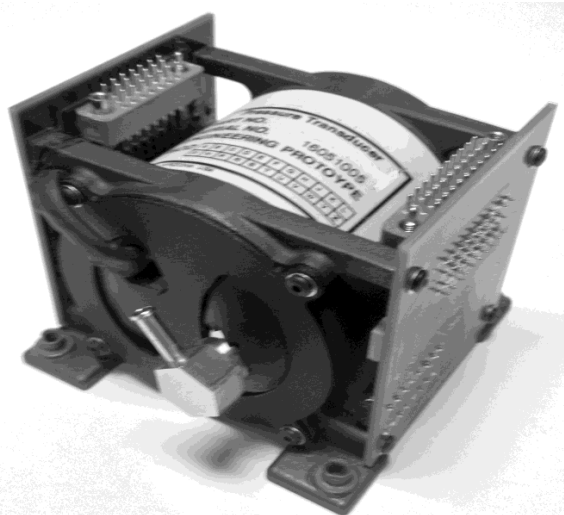
The Air Data Computer Ps/Pt Pressure Converter is a Form, Fit and Functional Replacement for the Honeywell Beryllium Copper Pressure Transducer. These modules sense pitot and static pressure and convert the information into a frequency dependent signal which is accepted by the frequency-to-digital circuitry within the air data computer.

The RPT Pressure Converter will operate properly in any Air Data Application which currently uses a Honeywell Pressure Transducer. The performance of the RPT Pressure Converter meets or exceeds the performance characteristics of the Honeywell Pressure Transducer.

Additional Features

- DO-178C level A software
- Calibration Memory Compatible with all Honeywell Air Data Computers
- Qualified to DO-160 Environmental
- Width: 4.300 inches (109.22 mm)
- Height: 3.300 inches (83.82 mm)
- Depth: 2.50 inches (63.5 mm)
- Internally Temperature Compensated
- Direct Replacement for Honeywell P/N's:
4040831-901
4007515-902
4007515-903

Replacement Pressure Transducer



Transducer Characteristics

Repeatability – Better than $\pm 0.005\%$ Full Scale
Hysteresis – Better than $\pm 0.005\%$ Full Scale
Acceleration Sensitivity – $\pm 0.0038\%$ Full Scale/g
Ps Pressure Range – 16 to 1490 Millibar
Pt Pressure Range – 32 to 3047 Millibar
Weight – 400 grams Maximum
Overpressure – 1.3 times Full Scale
Operational Temperature -54 to +107 °C
Power Requirements ± 15 V DC at 10 mA Max

Transducer Top View

