

## Jet Engine Test



Jet engine testing is an extremely demanding application. Rugged, durable pressure transmitters are needed for tests on fuel, oil & water pressures, emission, exhaust and on additional apparatus used during the testing process.

One of the world's largest jet engine manufacturers was experiencing significant failure rates while conducting critical pre-flight safety tests. They had used a variety of transmitters which failed due to shock, vibration, thermal effects and environmental conditions such as rain, heat, snow or hail.

Viatran solved the problem with the Models 249/349 pressure transmitters. The "49" Series is a sealed, all welded, stainless steel unit, specifically designed for severe test environments. Its rugged construction along with top mounted zero & span adjustments allow for ease of calibration in tight spaces. The unit features hermetically sealed electronics, a shunt calibration circuit, and standard accuracies of 0.1% with an optional improved accuracy of 0.05% for maximum performance. This transmitter, depending on range, offers over-pressure protection up to 10 times the sensors range, ideal for severe pressure spikes often found in these applications.

In order to achieve top performance while offering a wide range of full scale pressure measurements, 2 to 100,000 PSI (0.14 to 6894 bar), Viatran offers multiple sensor technologies. For lower range sensors, 2 to 150 PSI (0.14 to 10 bar), a micro-machined sensor is utilized. For ranges greater than 150 PSI (10 bar), Viatran's proven strain gage sensors are ideal. For ranges above 20,000 PSI (1379 bar), a unique, high strength material is used for maximum sensitivity, durability and reliability. If your application requires a rugged high performing transmitter, let Viatran's thirty years of pressure application experience help you.



Call Viatran for more information.

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