WirelessKable

Design & Engineering

WirelessKable Digital Gauges

Digital Conversion for Legacy Gauges

The Smart, Cost-Effective solution to Aircraft Obsolescence

Analogue to Digital Gauges Replacement

As aircraft fleets age, maintaining legacy electro-mechanical engine instruments becomes increasingly complex, expensive, and risky.

Obsolete components, limited spares, and costly redesigns can ground aircraft and inflate maintenance budgets.

WirelessKable DEIS delivers a modern, non-invasive digital replacement that transforms obsolete electro-mechanical engine indicators into reliable, high-performance digital displays without costly aircraft re-engineering.

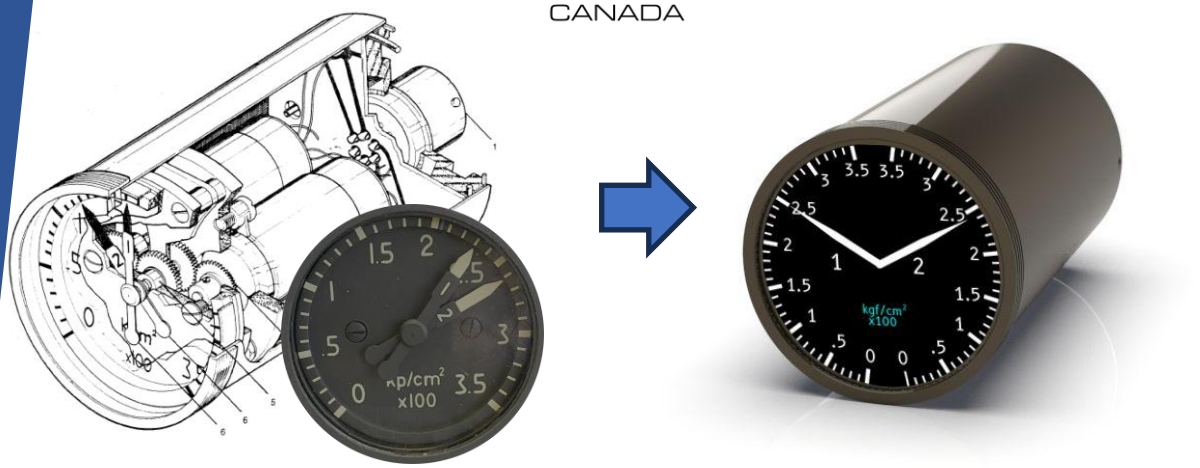
Designed and Made in Canada, WirelessKable Digital Gauges combines proven aerospace hardware with cutting-edge FPGA technology to extend aircraft life while minimizing downtime and certification burden.

Excellent product support via remote support.

Electro-mechanical Gauge
Obsolete

MADE IN CANADA

WK – Digital Gauge
Replacement Unit



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The Solution

WirelessKable Digital Gauges is a non-invasive digital replacement system that converts legacy electro-mechanical engine indications into a modern, reliable digital display without airborne software.

Designed and Made in Canada, Digital Gauges delivers a future-proof upgrade while preserving the aircraft's existing wiring, connectors, and architecture.

Why It Matters (Executive Value)

Lower Cost & Faster Deployment
No airborne software means DO-178 is not required, dramatically reducing certification effort, cost, and time to market.

Minimal Aircraft Impact

Non-invasive retrofit using existing interfaces no major redesign, no disruption.

Proven & Compliant Hardware

FPGA / PLD-based predictable architecture
Developed to DO-254
Tested to DO-160G environmental standards
Certified with TCCA Form One

Flexible & Scalable

Supports Turboprop /Jet Engine / Electric
Hydraulics, oil, flap indications, LVDT and RVDT signals interfaces, Synchro and others.