

Blackhawk *HAWKEYE* Gauges

Precision DigiLog Gauges for the King Air C90 - E90



BlackhawkTM
Worldwide Aircraft Performance Enhancements

Overview

The Blackhawk Precision Hawkeye DigiLog system is an intelligent, information-rich engine monitoring system that combines the familiarity of two-inch round analog gauges with microprocessor based signal processing and digital display technology.

The two-inch diameter analog gauges show engine parameters in a familiar, easy to read format. In addition, each Precision Hawkeye DigiLog gauge has a power-on self-test function, a continuous self test function, and continuous sensor reasonableness test function.

Each gauge is configured for visual display of exceedances, proper instrument/sensor operations and alarm annunciation, ensuring the pilot is made aware of potential engine or sensor problems.



The Blackhawk Precision Hawkeye DigiLog Gauges can be teamed up with the optional Digital Display Monitoring Panel (DDMP) to provide downloadable exceedance recording, storage and playback.

In addition, the DDMP acts as a full function fuel computer, electrical bus monitoring system, a digital instrument repeater, outside air and cabin temperature reading display and other custom functions.

Proven Performance, Not Paper Promises



Blackhawk Precision Hawkeye DigiLog Gauges

Characteristics

Features and Benefits

- Digital design
- High accuracy, no "0" or "span" drift
- Lightweight
 - Less than .5 lbs (.6 dual) for 2" instruments
 - Less than 1.3 lbs for DDMP
- Very low power consumption, <7 watts
- Full built-in test (BIT), continuous
- Exceedance monitoring
- Alarms and enunciators
- Continuous sensor reasonableness testing
- Lower cost and weight vs. glass displays

Familiar User Interface

- 2" round analog display
- Recessed pointer for minimal parallax error
- Standard mounting
- Snap-lock MS connectors
- High quality back-lit display

Optional DDMP Features and Benefits

- Exceedance recording and download (RS-232)
- Full function fuel computer
- Electrical system & environmental monitoring

Technical Data

Summary

- Accuracy <2% full scale
- Lighting, backlit white
- Depth, 4.50 inches
- Weight
 - .45 lbs for single function instruments
 - .60 lbs for dual function instruments
 - 1.25 lbs for DDMP
- Operating power, 28VDC (18-32 VDC operating)

Operating Specifications

- FAA TSO-C42c, C44b, C45a, C47, C49b, C55, C113
- RTCA/DO-178B Level C - 2" Rounds, Level D - DDMP
- RCA/DO - 160D
- Operating temperature, -20°C to 70°C
- Storage temperature, -54°C to 85°C
- Reliability, MTBF 20,000 hours estimated

Drawings

