

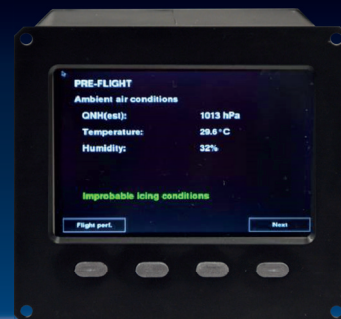


SKYLEADER ASSISTANT SYSTEM

SKYLEADER ASSISTANT SYSTEM is state of the art system enhancing in-flight safety and increasing pilot awareness. Understanding positive safety effects of assistant systems in automotive, Skyleader decided to focus on technologies which will contribute to safety improvements in aviation. SKYLEADER ASSISTANT SYSTEM is based on thorough and extensive research of accidents, and provides assistance/support in most common situations leading to accidents. **Assistance functions address issues which occurred in upto 48% of accidents in the given aircraft category. If SKYLEADER ASSISTANT SYSTEM was onboard, accident effects would be significantly reduced!**

KEY ASSISTANT SYSTEM FUNCTIONS:

- Centre of gravity (CG) position measurement (warnings provided)
- Estimated RWY length for take-off (based on real aircraft weight and outside environment)
- Unique optical altimeter for low altitudes (cost effective alternative to radio-altimeter)
- Acoustic assistance for final landing phase using unique, highly accurate optical altimeter (helping to perform precise final flare)
- Automated rudder trim (reduction of propeller slipstream effect, compensation in turn maneuvers)
- Automated checklist with procedures related to given flight phase (with automated switching between flight phases)
- Flight data recording (airspeed, altitude, GPS position, attitude)



ZALL Jihlavan airplanes, s. r. o.
Znojemská 826/64
586 01 Jihlava, Czech Republic

