

CardioSecur Aviation

Ultralight medical Multi Kit



Made
in
Germany

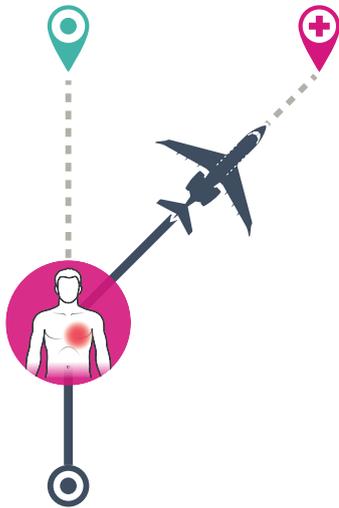
CardioSecur 
Knows Your Heart

Passenger Safety at Heart

The most common condition leading to flight diversions are cardiovascular diseases. It is important to note that not all cardiac symptoms indicate a life-threatening risk, and pilots require reliable medical facts to decide whether there is the need to divert a flight or not.

To make an informed decision, pilots require comprehensive in-flight medical data and support from ground-based medical services. Among the tools available, a 12-lead ECG is considered the most important parameter for monitoring cardiac function and detecting linked pathologies.

CardioSecur Multi Kit is a swift and easy-to-use in-flight medical emergency kit with an ultralight 12+lead ECG generating comprehensive data on the heart's activity. CardioSecur Multi Kit covers the common in-flight medical emergencies, allowing pilots and medical professionals on ground to respond quickly and effectively to health-related issues that arise during a flight.



4%

of all medical emergencies in business aviation are diverted.



Cardiovascular symptoms are the primary cause for flight diversions.

Source: privatejetcardcomparisons.com

Medical diagnostics at its best

Medical emergencies on board have many faces and may lead to flight diversions. The most common reasons for re-routing a flight are actual or suspected infarctions. Assessing if a cardiovascular event is time-sensitive is a challenge wherever it occurs. Lacking extensive data in-flight, makes it close to impossible to tell, if a life-threatening condition is present or if a diversion can be prevented. Unnecessary diversions result in disruptions to operations, safety risks for travellers and crew, increased cost and no benefit to patients. Swiftly attaining comprehensive medical data is crucial for pilots to make the right decision.

The modular and easy-to-use CardioSecur Multi Kit comprises one-touch sensors from market leaders covering key vital signs. At the heart of the Multi Kit lies the highly sophisticated and easy-to-use 12+lead ECG by CardioSecur accompanied by cutting edge devices to assess blood pressure, oxygen saturation, temperature, and blood glucose levels.



Ultralight
& app-based



Easy to use
& minimal training

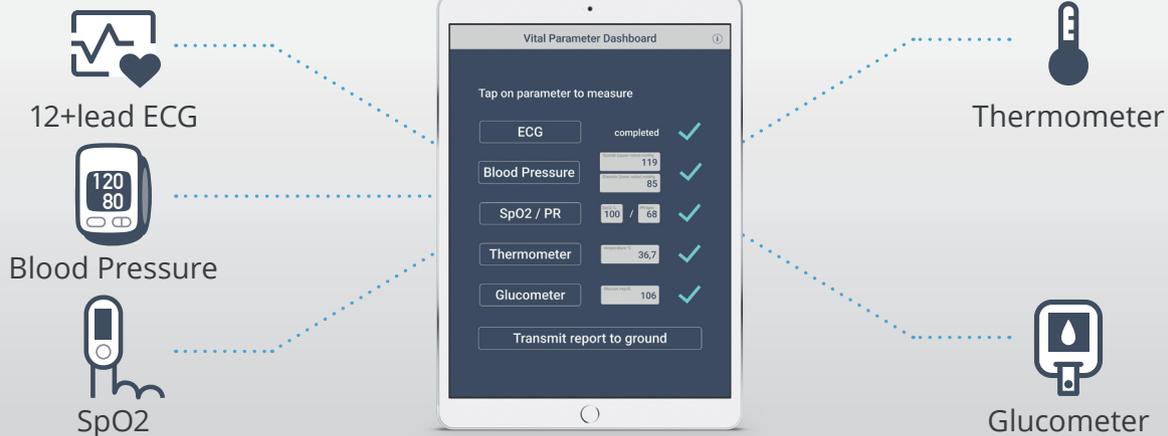


High crew
acceptance



Modular
& customizable

CardioSecur Multi Kit – first in its class



How it works

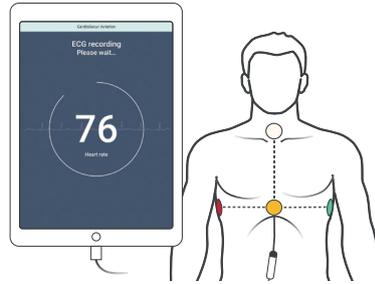
Comprehensive medical data in just a few steps:

1



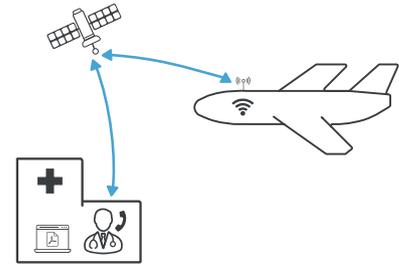
Passenger shows symptoms.

2



Crew member collects sensor data with the CardioSecur Aviation app.

3



Transmission to ground medical service for feedback.

The medical data can be recorded easily and discreetly by any crew member within a few minutes. The report is automatically transmitted to any designated ground based medical service. Size optimised data sets ensure swift transmission - even in low bandwidth circumstances. Feedback from ground medical service can thereby reach pilots in the shortest possible time.

Benefits of CardioSecur Multi Kit:

- Significant fuel cost savings (800g light)
- Minimal training (short video)
- Swift & easy 12+lead ECG (only 4 electrodes)
- High acceptance rate on board
- Prevention of unnecessary diversions
- Seamless data integration processes
- Maximising on equipment synergies (use of aircraft iPad)
- Live ECG mode in Super-Retina quality
- Comprehensive sensor set - first-in-class reliability
- Designed and manufactured by German engineering

■ Made
■ in
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CardioSecur is an innovation by Personal MedSystems GmbH
Certified by TÜV SÜD subject to regulation ISO 13485 and 2017/745 MDR



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