



Stay compliant and increase safety in cold weather operations

Cold Temperature Correction for Lido mPilot and Lido eRoute Manual

Easily accessible calculator for all your terminal charts

Cold temperatures affect the aviation industry significantly and even more so during the winter months. Pilots require more support during critical phases like approach and landing, especially in congested airspaces with significant weather events. Our Lido Solutions can support your airline to overcome this challenge by reducing their workload and help them focus.

Impact of cold temperature

An accurate altimeter setting is essential at all times to ensure a safe separation from the ground, obstacles, and other aircraft. In lower-than-ISA conditions, the altimeter readout may be significantly off compared to the true altitude of said altimeter. Since cold air is denser than warm air, isobaric surfaces are vertically more constrained toward the ground, due to the effect of gravity. The altimeter, in such a case, **over-estimates** the altitude, which may lead to potential safety issues, as pilots think they are higher than they actually are.

Key benefits & features



Improved safety

Improves safety for critical flight phase



Reduced workload

Provides support by reducing workload and helps pilots focus



Accessible interface

Easily accessible interface across all terminal charts



Official guidelines

Results according to the new ICAO PANS OPS official guidelines



Single source

Single trusted source of information on one screen



Shared functionality

Results can be shared between EFBs for better briefing

The Cold Temperature Correction Calculator

The Cold Temperature Correction calculator – available for both Windows (Lido eRoute Manual) and IOS (Lido mPilot) – can display all corrected critical information in a single table, such as:

- Altitudes
- Flight Path Angle
- Go-Around Gradient
- Climb Gradient

The results given follow the ICAO PANS OPS Doc 8168 guidelines, more precisely from section 4.3; Temperature Corrections.

In addition to these benefits, the Cold Temperature Correction Calculator can be used across all terminal charts (SID, STAR, IAC) and generates results that can be placed wherever you see fit, next to the procedure.

Moreover, the results of the calculation can be sent across both EFB devices, thanks to the 'Share' function, for a better briefing process.

For activation of this feature, please contact Lido Route Manual Customer Support or your Business Consultant.

Software and Hardware Requirements

- Lido mPilot 6.2 or higher (iOS)
- Lido eRoute Manual 5.10 or higher (Windows)

Download Lido mPilot



Displays all corrected critical information in a single table



Figure 1: Cold Temperature Correction Calculator on Lido mPilot



Figure 2: Cold Temperature Correction Calculator on Lido eRoute Manual

→ For more information please contact marketing@LHsystems.com