

HPINSPerf- P40v2 - Dead reckoning

Dead reckoning specifications

The following performance applies for the Stellar-40 used for up to 20 minutes of navigation without GNSS input with adequate velocity aiding for each application:

	Position accuracy
Land	0.2% traveled distance
Marine	0.5% traveled distance
Air	1.0% traveled distance

For more details on which aiding is the best suited to achieve this level of performance with your Stellar-40 in your application, contact our support team.



Traveled Distance

The specification in long dead reckoning is expressed in the percentage of the Traveled Distance (%TD) during the time without access to GNSS.

For example, for a car travelling at 90km/h, 7.5km will be traveled during an outage of 5 minutes. This leads to a **drift of 15 meters** (0.2% of 7500m).