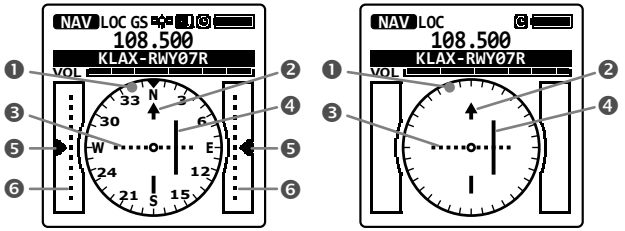
Reception of ILS Signals

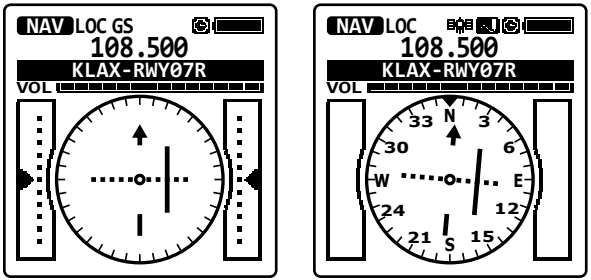
When the **FTA-750/FTA-550** receive an ILS (instrument landing system) signal, the display will automatically switch to the NAV band screen which shows a CDI (course deviation indicator) based on the received signal, and "**LOC**", which indicates that the **FTA-750/FTA-550** are receiving the localizer signal, and "**GS**", which indicates that the **FTA-750** is receiving the glide slope signal, appear on the display.



FTA-750 FTA-550

❶ Compass rose
❷ Course (runway) indicator
❸ Deviation marks for localizer
❹ Course deviation needle for localizer
❺ Height deviation indicator for glide slope
❻ Deviation marks for glide slope

- In the **FTA-750** when the internal GPS unit is not activated or cannot receive a fix even it is activated, or in the **FTA-550**, the upside of the compass rose always indicates the direction of the runway and no sign indicating the bearings is displayed on the compass rose.
- In the **FTA-750** when the internal GPS unit is activated and receives a fix, the compass rose rotates to display the approaching course up. The course indicator, deviation marks, and deviation needle also rotate to display the runway direction if registered in advance.



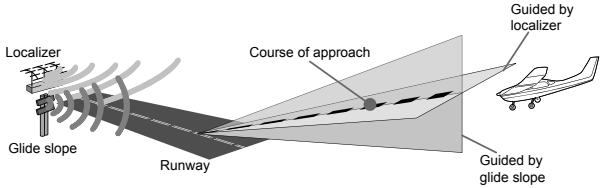
Without GPS

With GPS, no GS signal, runway direction registered

Note:
You may change the COM band receive frequency while receiving an ILS signal. If the [**ENT**] key is pressed while the tag name of the airport is selected, the recall screen listing the frequencies you have used will temporarily appear on the display, so that you may select a frequency from the list with the [◄] or [►] key or change the frequency with the **DIAL** selector knob.

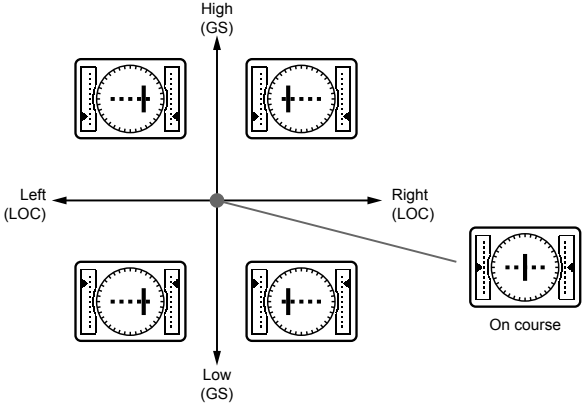
Terminology:

- The localizer signal guides the approach to the runway in horizontal direction.
- The glide slope signal guides the approach to the runway in vertical direction. Note that some airports are unequipped with the glide slope.



Reading the CDI

- The course deviation needle moves to the right if your aircraft is off course to the left of the runway, or moves to the left if your aircraft is off course to the right of the runway.
- The height deviation indicator moves up if your aircraft flies lower than the ideal altitude, or moves down if your aircraft flies higher than the ideal altitude.



CDI Examples Corresponding to Aircraft Location
(Runway is to be at the back of the screen)