

Primary flight Display



ARM

HDG SEL
VOR/LOC

V/S
6/S

3048 M

100

10000

100

111.55/87°
DME 15.0

ILS

CWS R

CMD

CWS P



045

20

GS 92

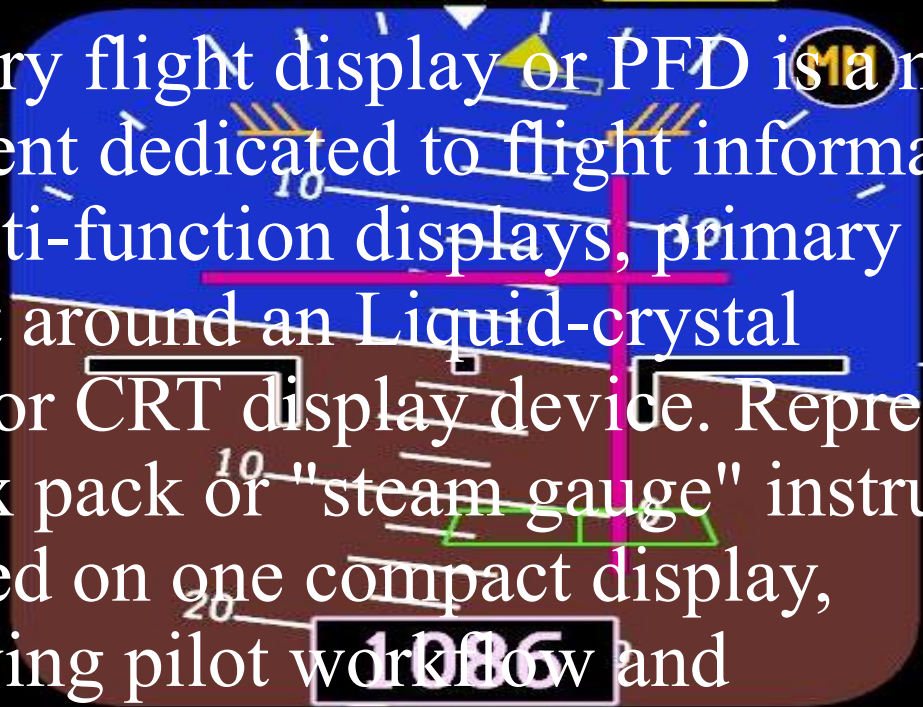
VREF
91

PULL UP

BARO
200

1013 HPA QFE

29.92 IN QNH



A primary flight display or PFD is a modern aircraft instrument dedicated to flight information. Much like multi-function displays, primary flight displays are built around an Liquid-crystal display or CRT display device. Representations of older six pack or "steam gauge" instruments are combined on one compact display, simplifying pilot workload and streamlining cockpit layouts.

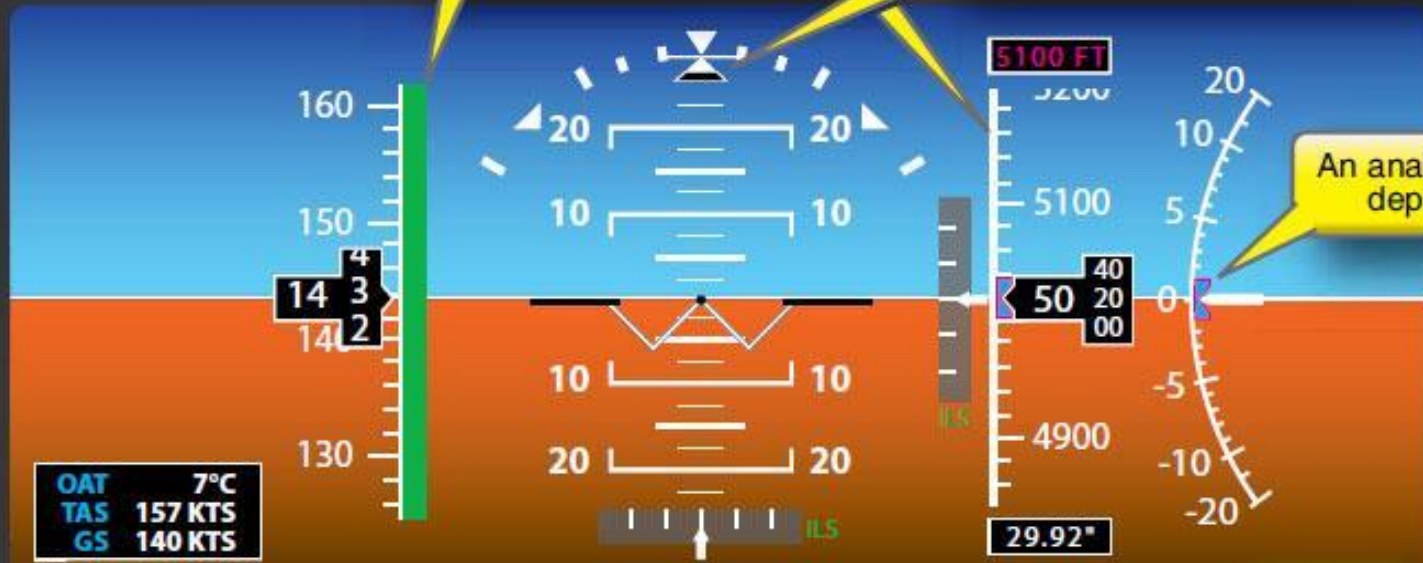
Tape displays are used to depict airspeed and altitude.

A segmented triangle is used to show turn coordination.

An analog gauge is used to depict vertical speed.

A curvilinear display is used to show rate of turn.

Conventional symbology is used to depict heading and navigational information.



OAT 7°C
TAS 157 KTS
GS 140 KTS

Bearing VLOC1
VOR 113.10
BRG 323°

Aux GPS2

Range View

Hdg Bug 300°

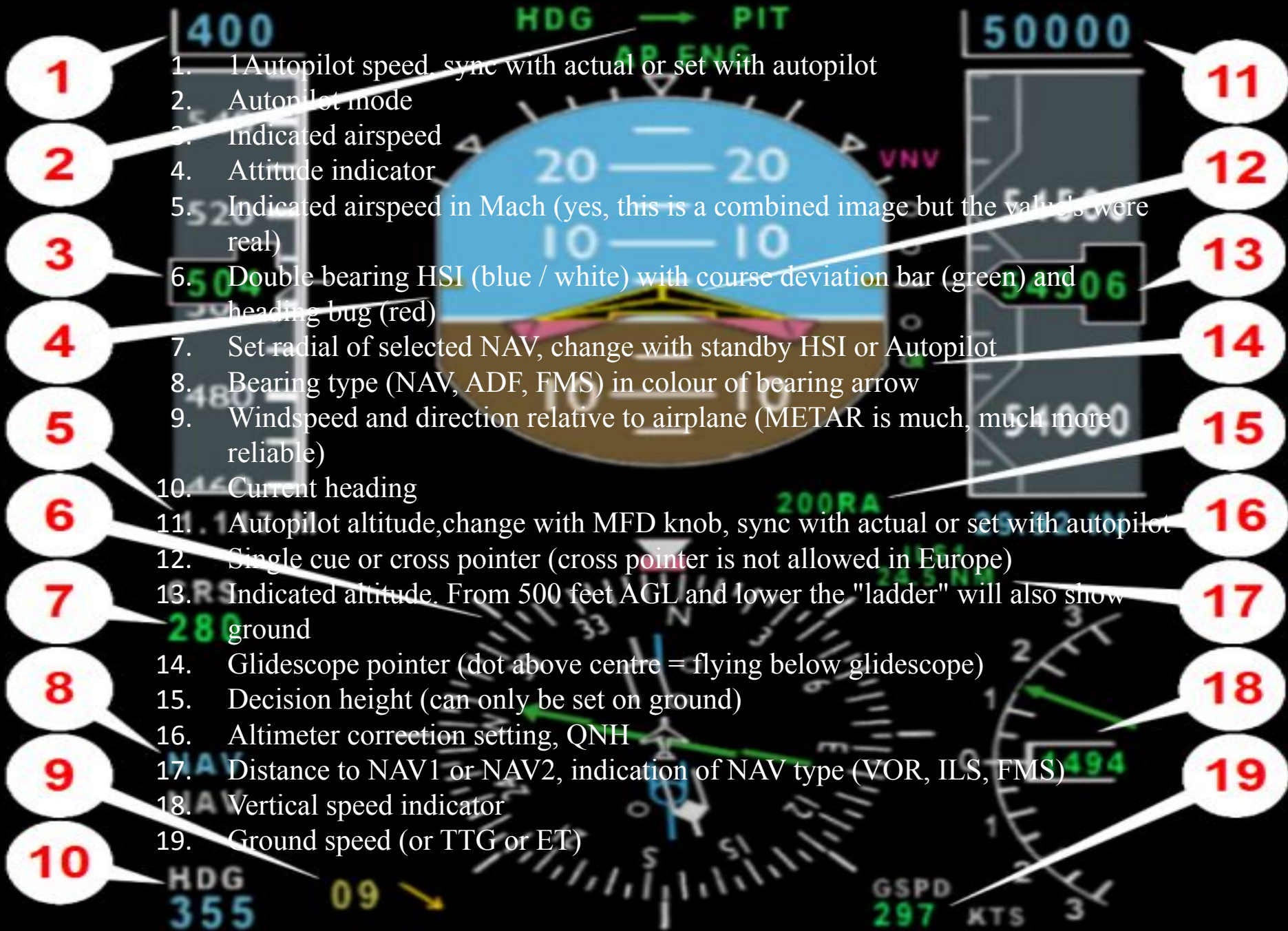
Alt Bug 5020 FT

VSI Bug 500 FPM

Baro Set 29.92"

Range View

Hdg Sync



1. Autopilot speed, sync with actual or set with autopilot

2. Autopilot mode

3. Indicated airspeed

4. Attitude indicator

5. Indicated airspeed in Mach (yes, this is a combined image but the values were real)

6. Double bearing HSI (blue / white) with course deviation bar (green) and heading bug (red)

7. Set radial of selected NAV, change with standby HSI or Autopilot

8. Bearing type (NAV, ADF, FMS) in colour of bearing arrow

9. Windspeed and direction relative to airplane (METAR is much, much more reliable)

10. Current heading

11. Autopilot altitude, change with MFD knob, sync with actual or set with autopilot

12. Single cue or cross pointer (cross pointer is not allowed in Europe)

13. Indicated altitude. From 500 feet AGL and lower the "ladder" will also show ground

14. Glidescope pointer (dot above centre = flying below glidescope)

15. Decision height (can only be set on ground)

16. Altimeter correction setting, QNH

17. Distance to NAV1 or NAV2, indication of NAV type (VOR, ILS, FMS)

18. Vertical speed indicator

19. Ground speed (or TTG or ET)

Roll scale zero

Roll scale

Roll pointer

Slip/Skid indicator

Pitch scale

Horizon line

Aircraft symbol

