



S-TEC 3100 AUTOPILOT

DIGITAL FLIGHT CONTROL SYSTEM

DIGITAL ATTITUDE BASED AUTOPILOT

Unlike traditional legacy autopilots that rely on roll information from a turn coordinator, and pitch information from a pressure transducer, the 3100 makes precise corrections based on very accurate AHRS data. This is most evident on windy days where the wind isn't blowing perfectly down the runway.

COMPATABILITY

The 3100 is a 3-Axis (2-Axis available on some models) Digital Flight Control System, with standard Automatic Pitch Trim. Whether you have advanced glass EFIS displays or the traditional 6-pack steam gauges, the 3100 supports a wide variety of cockpit setups. An AHRS is built into the 3100 and is utilized to drive the precise movements of the servos in aircraft lacking a digital EFIS display.

STRAIGHT AND LEVEL RECOVERY

Should you inadvertently enter into an unusual attitude situation, the 3100's Straight and Level button (LVL), delivers fast and simple automatic recovery to level flight from an unusual attitude no matter what the visibility. Once engaged, Straight and Level instantaneously overrides previous autopilot inputs to safely return and hold your aircraft at a neutral attitude while you get things sorted out.

ENVELOPE PROTECTION AND ALERTING*

Loss of control is one of the largest contributors to general aviation accidents. The 3100 DFCS helps minimize the chance of entering into an inadvertent stall, unusual attitude, over-speeds or excessive banking situation caused by aggressive autopilot inputs through automatic pitch corrections and visual/aural alerts for pilot situation awareness.

*Additional equipment may be required in some configurations

Precise Performance.
Proven Experience.
Personalized Attention.

 **GENESYS**
AEROSYSTEMS
a Moog Company

ENROUTE GPS NAV

When paired to an approved GPS and EFIS, the 3100 can follow the step down enroute vertical guidance from the GPS. This feature is particularly useful when following Standard Terminal Arrival Routes (STARs). For full details and a list of compatible EFIS/GPS combinations, visit our website.

FEATURES

The following are some key features of the S-TEC 3100 autopilot:

- Flight Director
- Lateral and Vertical navigation functions including LPV, HDG, GPSS, VOR, LOC, GS, ALT, GPS LNAV, GPS VNAV
- Vertical navigation targets set on the bezel or compatible EFIS
- Altitude Preselect** and Hold with Autotrim
- Vertical Speed Control (VS)
- Indicated Airspeed Control (IAS)**
- Under Speed and Over Speed Warnings**
- Roll Envelope Exceedance Warning
- Course Intercept capability HDG/NAV and HDG/APR
- Automatic Trim
- Voice Annunciations
- Single Button Straight & Level (LVL)
- Enroute GPS Vertical Navigation (VNAV)**
- And more...

**Additional equipment may be required in some configurations

DIMENSIONS

- Width: 6.25" (159mm)
- Height: 1.45" (37mm)
- Depth: 9" (229mm)

WEIGHT

- 2.6 lbs (1.18 kg) (Autopilot only)

TSO's

- TSO-C198 Automatic Flight Guidance and Control System Equipment (AFGCS)

STC's

- See our website for latest STC list of approved models

HARDWARE

- RTCA DO-160G to meet TSO-C198

SOFTWARE

- RTCA DO-178C Level A

