

# INTEGRA

## YOUR GLASS COCKPIT SOLUTION

TL ELEKTRONIK Inc.



EFIS TL-6524



EMS TL-6724



EFIS/EMS TL-6624



EFIS/EMS REMOTE  
DISPLAY TL-6824

### General Information

Integra is a multifunctional system that monitors your flight and engine. **TL-6524 EFIS** integrates all primary flight instruments (Altimeter, Vertical Speed Indicator, Air Speed Indicator, Compass, Accelerometer, Chronometer, Turn-indicator with Inclinometer, Angle of Attack Indicator, internal air temperature, external air temperature, etc.). The EFIS Integra also includes navigation systems (HSI, CDI with connection to the popular Garmin SL-30 and many others) and worldwide 3-D terrain maps. **TL-6724 EMS** integrates all primary engine instruments (RPM, Fuel Flow Pressure Indicator, Exhaust Temperature Indicator, Cylinder Head Temperature Indicator, Oil and Water Temperature Indicator, Fuel Level Indicator, Fuel Pressure Indicator, Voltmeter, Ampere Meter, Timer, Internal Air Temperature Indicator, External Air Temperature Indicator, etc.). In addition the EMS Integra includes Propeller Control for "Constant Speed" and Engine Choke Control. The EMS Integra is designed for use with all engine makes and models. **TL-6624 EFIS&EMS Integra** integrates all the features of **TL-6524** and **TL-6724** described above.

The new enlarged display screen of the **EFIS & EMS** provides a wide visual angle, bright colours and good display readability even in direct sunlight. Proven high-tech components used in the Integra ensure comfortable, easy control. The EFIS & EMS have a number of unprecedented features – fully ambidextrous controls, the ability to play your favourite music on a flash drive through the front panel USB port and a vivid, full colour 3D terrain display. It also has a well-arranged screen, on which genuine analogue instruments are displayed. It incorporates a three-axis autopilot, sends voice warnings directly to the pilot's headphones and monitors the engine by constantly checking on all measured values. A history of recorded flight & engine values can also be downloaded onto a flash drive or directly onto a PC through the USB port.

**Remote Integra Display TL-6824** is designed for displaying all values measured by **TL-6524**, **TL-6624** and **TL-6724**. Remote Integra Display can provide information to the co-pilot or to inform other crew members. The low-profile of the **TL-6824** allows it to be installed into seat backs and by giving passengers flight information and the ability to watch films or listen to music stored on a flash drive, it enriches their flight experience.

### Integra in comparison with other glass cockpit instruments:

#### General:

- high brightness display included in the basic price
- easy control turning knobs
- built-in MP3 music player
- built-in MPEG4 movie player to entertain your passengers
- 3D terrain maps

#### Further advantages:

- Integrated serial and gray code encoder (does not require any external unit)
- Connection to a PC via USB cable (no need of converter)
- Ability to communicate without direct connection to a PC - via flash drive, on which you can download your MP3 music, firmware update or save history of both flight and engine measured parameters, etc.

#### Autopilot:

- Autopilot servos include proportional electromagnetic clutch (no driving resistance while the autopilot is off and possibility of continuous setting slip directly from the Integra)
- No other external operating equipment for controlling the autopilot needed

#### Integra on your computer

- Integra's PC Demo includes all the features of the real Integra glass cockpit instruments.
- Enables you to learn how to control the Integra in the comfort and safety of your home on your PC.
- Enables you to save your configuration on a PC at any time and transfer it via flash drive directly to the Integra in your airplane.
- After downloading the flight and engine parameters on a flash drive, you can replay it again at home on your PC.

#### Variation A



Also TL-6724 data can be displayed

Also TL-6524 data can be displayed

#### Variation B



Also TL-6624 data can be displayed

