

GT-50 Installation/Operation Manual

The GT-50 is not approved for installation in certified aircraft.

Installation:

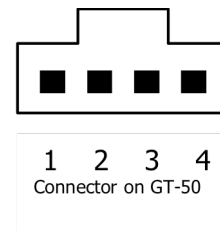
Mechanical

Mount the GT-50 in any 2-1/4" instrument hole using four 6-32 screws. If you are mounting the GT-50 in an instrument panel with a thirty degree panel tilt, be sure to set your unit as described in the Voltmeter section below.

Electrical

Pin

- 1) **Black** (Ground)
- 2) **Yellow** (Backlight Dim) When Power is applied to this wire the backlight dims. We suggest connecting this wire to your navigation light circuit.
- 3) **Red** (Always on Power) Connect this wire directly to your battery to power all functions except the backlight.
- 4) **Green** (Backlight Power) When power is applied to this wire the flight timer runs and the backlight is illuminated. Connect this wire to your instrument power source so it is powered when your master switch is turned on.



Notes: Both the red and green wires should be on a fuse or breaker protected circuit. The value of the fuse/breaker can be as little as 0.5 Amp.

Operation:

Modes: The GT-50 has five modes.

PRESS the (Left) **Mode** button the switch between modes.

PRESS and HOLD the (Left) **Mode** button to display the Firmware Version number.

<p>Accelerometer</p> <p>PRESS the (Right) Action button to display the MAX and MIN G readings. PRESS the (Center) Reset button to clear the MAX and MIN G readings.</p> <p>Occasionally the GT-50 must be recalibrated if it is not reading one G when in level flight.</p> <p>Level the instrument then PRESS and HOLD the (Center) Reset button to calibrate the accelerometer to one G unit. The button must be held until four dashes "----" appear on the display then released to complete the calibration.</p>	<p>Clock</p> <p>PRESS the (Center) Reset button to set the clock. PRESS and HOLD the (Center) Reset button until the colon ":" begins flashing to switch between 12 and 24 hour clock modes.</p> <p>PRESS the (Right) Action button to adjust the hours or minutes when they are flashing.</p>
<p>Timer</p> <p>PRESS the (Right) Action button to start and stop the timer. PRESS the (Center) Reset button to reset the timer to zero.</p>	<p>Flight Timer</p> <p>The flight timer automatically runs when there is aircraft power applied to connector pin 4 to keep track of your flight time and ground time for your logbook etc.... This mode is designated by a - symbol in the left most digit location.</p> <p>PRESS the (Center) Reset button to reset the flight timer to zero.</p>
<p>Voltmeter</p> <p>The instrument panel tilt angle is set from the Voltmeter mode. This step is only required if you have a panel angle of 30 degrees (SONEX aircraft). Panel tilt of less than fifteen degrees has a negligible effect on the G reading. If power is removed from the GT-50 the panel tilt will revert to the vertical panel setting of zero degrees when the power is restored. Note: Selectable panel tilt capability is only available on GT-50's with Firmware Version 2.2 or greater.</p> <p>PRESS and HOLD the (Center) Reset button to switch between zero and thirty degrees panel angle. Once the Panel tilt angle is displayed, release the button to save the value that was displayed. The angle can be either zero degrees or thirty degrees.</p>	

Specifications:

- Input Voltage:** 9-14 Volts DC (28 Volt units are available via special order please call or email)
- Power Consumption:** Backlight Bright: .06 Amps, Backlight Dim: .03 Amps, Backlight Off: less than .01 Amps
- Dimensions:** Fits a Standard 2-1/4" instrument hole.
Overall Width and Height 2.375", Depth behind panel .75 " to back of connector
- Weight:** 2.5 oz.

Need Help?

support@fdatasystems.com

or call (831) 325-3131