

STRATOTIMER™

Advanced Multifunction Aircraft Chronograph
3ATI CASE WITH DIGITAL DISPLAY

THOMMEN
AIRCRAFT EQUIPMENT



GENERAL

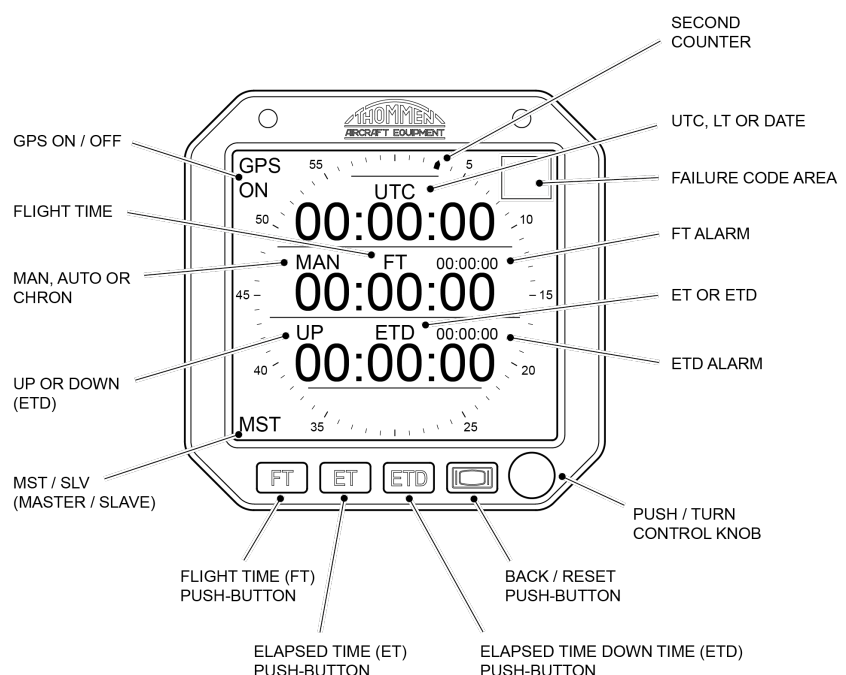
STRATOTIMER™ is the next-generation onboard time management system designed and manufactured by THOMMEN in Switzerland. This advanced digital multifunction chronograph features a smart and modular design with extensive configurability to support cockpit modernizations and forward fit programs on all types of fixed and rotary wing aircraft. STRATOTIMER™ brings a totally new experience to aircrews thanks to a user-friendly digital HMI with integrated sweep second hand.

Its state-of-the-art design includes GPS synchronization, ARINC 429 and USB interfaces, discrete in and outputs, programmable timers, configurable aural alarms, user-settable color schemes, automatic day/night/NVIS modes and a S-Video port for external camera or sensing devices, just to name a few. STRATOTIMER™ offers the latest TFT display technology with best-in-class sunlight readability from every viewing angle and the largest useable screen area available on the market today.

STRATOTIMER™ is a modern day replacement for numerous legacy clocks such as ADS Transicoil/Astrotech or Air Precision/Cobham, installed on a large quantity of air transport aircraft providing greater functionality and reduced obsolescence. Contact your THOMMEN partner for available STC options.

SOFTWARE FUNCTIONS

UTC Time
UTC Date
Local Time
Flight Time Function
Elapsed Time Function
Elapsed Time Down Function
GPS Synchronization (On/Off)
Dual Clock Synchronization (Master/Slave Mode)
Flight Timer Mode (Manual /Auto) with wow input
ETD Mode (Up/Down)
Sweep Second Hand
Elapsed Time Down Alarm Setting and Alarm Status
Flight Time Alarm Setting and Alarm Status
FT/ET/ETD buttons (Start / Stop / Reset commands)
+/- Encoder with Menu Push Button
Setup Menu



HARDWARE FEATURES

FEATURES:	ARINC 429 interface
	USB port for maintenance
	Ambient light sensor for backlight dimming function
	Display heater
	Power reserve function
	RTC battery (exchangeable)
	Battery service life: 10 years

SIGNAL INPUTS:	Primary power input: 28 VDC
	Emergency power input: 28 VDC
	Video input: composite /s-video
	Remote chronograph switch - 2 inputs
	4 digital inputs
	1 ARINC 429 input
	Lighting control input (analog or PWM)

PERFORMANCE SPECIFICATION:	> 39.000 hours of operation in AIC environment* AIC = Airborne Inhabited Cargo
MEAN TIME BETWEEN FAILURES:	> 26.000 hours of operation in AIF environment* AIF: Airborne Inhabited Fighter
	> 12.000 hours of operation in ARW environment* ARW: Airborne Rotary Winged
	* not in Storage Mode of Operation

SIGNAL OUTPUTS:	1 Audio output
	1 ARINC 429 output

DISPLAY:	TFT colored display
	Resolution: 540px x 480px
	NVIS compatible
	Sunlight readable
DISPLAY DIMENSIONS:	80° viewing angle from each side
	64 x 57.2 mm (2.52 x 2.25 inches)

DIMENSIONS:	82.8 x 82.8 x 120 mm (3.26 x 3.26 x 4.72 inches)
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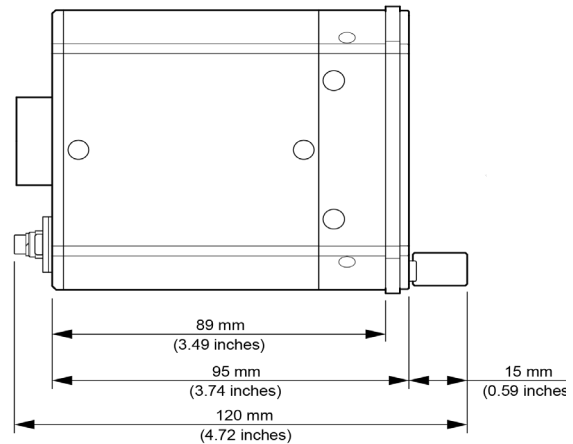
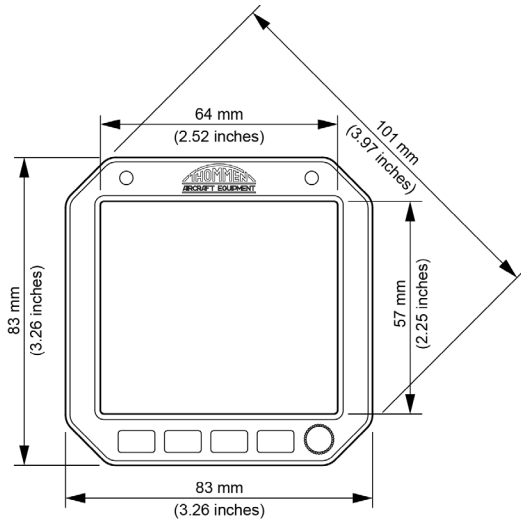
WEIGHT:	540 g (±10 g) (1.19 lb)
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MATERIAL:	Aluminium
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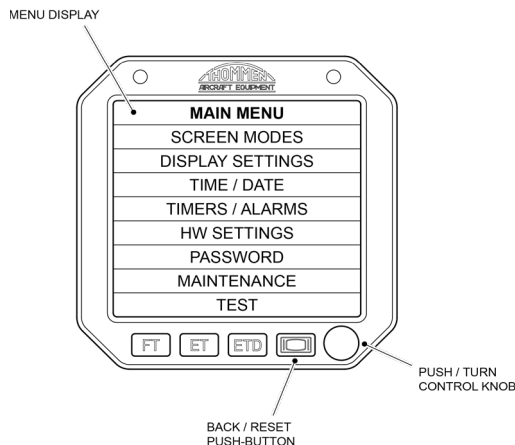
MOUNTING:	ARINC 408A 3AT1 square clamp, 1 inch deep
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COMPLIANCE:	RTCA/DO178C DAL D
	RTCA/DO254 DAL D
	RTCA/DO160G

OUTLINE DIMENSIONS



MENU SCREEN



REAR PANEL

