

# 2009 Socata TBM 850

Ser. No. 501, N850EA



## Standard Equipment

### Garmin G1000 Avionics

- 2 GMA 1347C Dual digital audio controller with integrated market beacon receiver, intercom and public address capability on outer side for pilot and co-pilot side.
- 1 Sennheiser HMEC25 noise attenuating headset with ship-power connection
- 2 GDU 1040A, 10" PFD display with three axis flight dynamics, air speed, attitude, vertical speed, HSI w/perspective modes, turn, bank side slip, NAV/COM frequencies indication and AP annunciation
- 1 GDU 1500 15" multi-function display with engine (w/optimum TRQ setting display), pressurization, electrical, fuel, flaps and trims indication, Crew Alerting System (CAS), checklist, aircraft synoptics and super large navigation mapping system
- 2 GIA 63W Nav/Com/ILS/WAAS GPS
- 2 GEA 71 Engine and airframe interface unit
- 2 GRS 77 Attitude and Heading Reference System (AHRS)
- 2 GMU 44 triaxial magnetometer
- 2 GDC 74B digital air-data computers w/dual probe system
- 1 GTX33 Mode S transponder
- 1 GCU 475 remote FMS control panel conveniently located on the central console
- 1 GMC 710 autopilot mode controller located in upper central panel
- 4 GSA 81 torque flight servos(yaw, pitch, pitch trim & roll)
- 1 GTA 82 adapter for yaw auto trim device
- Backup instrumentation with pneumatic attitude, airspeed and altimeter indicators

### Airframe

- Metal structure and skin paneling
- Anti-corrosion protection treatment
- Retractable gear with electrohydraulic actuation
- Hydraulic disc brakes
- Pressurized 6-seat cabin & baggage compartment (6.2 psi)

- Sound proofing and thermal insulation
- Large access door with retractable stairway
- Emergency exit
- Front storage compartment (not pressurized) with lockable access door
- Rear fuselage servicing door
- Easy maintenance access doors
- Tie-down attachments
- Jacking points
- Standard painting and decoration
- Gaseous oxygen system with quick-downing pilot and co-pilot oxygen masks

### Engine

- PT6 A66D Pratt & Whitney Canada turboprop engine, 1825 SHP thermodynamic, flat rated at 850 SHP
- Electrically de-iced four bladed HARTZELL constant speed propeller w/ overspeed limiter, full feathering and reverse
- Polished aluminum spinner cone
- Oil cooler
- Anti-icing air inlet with inertial separator
- Dual exhaust system
- Service access doors in cowlings

### Controls

- Dual flight controls
- Electric pitch and rudder trim on pilot control wheel
- Elevator, Rudder and Aileron electric trim
- Electrical pre-select flaps with integrated asymmetry detection system
- Central console including:
  - power control
  - propeller pitch control
  - condition lever
  - manual control override
  - electric flap control
  - fuel selector
  - manual pitch trim
  - ailerons electric trim
- Adjustable rudder pedals
- Landing gear handle
- Dual toe brakes
- Parking brake
- Landing gear emergency extension handle
- Environment and pressurization control system

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- Alternate static source control
- Alternate ram air source control

## Fuel equipment

- One structural fuel tank per wing
- Engine driven fuel pump
- Standby electrical fuel pump
- Fuel tank selector with automatic sequencer unit
- Capacitive fuel gauges with low fuel level warning

## Instruments

- Airspeed Indicator displayed on GDU 1040s
- Vertical speed indicator displayed on GDU 1040s
- Magnetic compass
- Torque indicator displayed on GDU 1500
- Propeller tachometer displayed on GDU 1500
- Turbine temperature indicator (ITT) displayed on GDU 1500
- Gas generator tachometer displayed on GDU 1500
- Oil pressure and temperature indicator displayed on GDU 1500
- OAT Indicator displayed on GDU 1040s
- Airframe de-icing control panel
- Inertial separator control
- Parking brake control
- Landing gear position monitoring panel
- Flap position indicator displayed on GDU 1500
- Trim position indicator (elevator, rudder and ailerons) displayed on GDU 1500
- Voltmeter and ammeter displayed on GDU 1500
- Electric generation controls and monitoring on overhead panel
- Advisory panel with master caution, master also displayed on GDU 1500 warning and aural warning
- Fuel management panel displayed on GDU 1500
- Cabin temperature control
- Cabin altitude and differential pressure indicator displayed on GDU 1500
- Cabin rate of climb indicator displayed on GDU 1500
- Heated stall warning system
- Digital chronometer displayed on GDU 1040s
- Flight time hour meter

- Instrument panel lighting
- Backup instrumentation with pneumatic attitude, airspeed and altimeter indicators

## Electrical Equipment

- Lead Acid battery 24V-43 Amp-hour
- Starter generator 28V-200 Amp (rated at 180 Amp)
- Standby generator 28 V-70 Amp (rated at 57 Amp)
- Electrical Power control center
- Circuit breakers
- Anti-collision strobe lights
- Navigation lights
- Taxiing and landing lights
- Ground power plug
- Ground clearance energy saver
- Twin band ELT (121.5 & 406 MHz)

## Ice protection

- Pneumatically deiced wing and tail unit
- Heated engine air intake lip
- Pilot controlled engine inertial separator
- Electrically heated propeller blades
- Electrically heated pitot tubes
- Electrically deiced stall warning sensor
- Pilot & Co-pilot electrically heated windshields
- Ice detector light

## Miscellaneous

- Additional spare carpet
- Halon cabin extinguisher
- Parking protection kit
- Cabin cover
- Environment system w/engine driven air-conditioning system

## Equipment & Options

### Advanced Position and Traffic Awareness Package -

- RVSM data package
- GTX 33 Mode S transponder(#2)
- KRA 405 B Radar Altimeter displayed on GDU 1040s
- TAWS-B, class B TAWS worldwide database
- KTA 810 Traffic Advisory System (TAS)
- KN 63 DME displayed on GDU 1040As (\*\*\*\*)

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- Electric pitch and rudder trims on co-pilot control wheel
- Co-pilot side map light and approach plate holder

## **On-Board Weather Package -**

- WX 500 Stormscope displayed on G1000 displays
- GWX 68 digital four color weather radar - 10" antenna

## **Deluxe Leather Package -**

- 6 genuine leather seats with adjustable backrests and folding armrests in replacement for fabric
- Genuine leather upper side panels
- Aluminum trim on individual fresh-air vents and reading lights

## **Miscellaneous -**

- GDL 69 A datalink XM/WX weather information and XM audio infotainment
- Chart view option for GDUs
- SVT Synthetic Vision
- Elliott Aviation Forward Baggage Modification
- Front and rear 14V DC power outlets
- Two Bose Series X Headsets
- One lower storage cabinet (Pilot)
- One lower storage cabinet (Co-pilot)

## **Interior -**

- Meteor Gray Seat covers
- Polynesian Pearl Upper Side Panels & Cabinets
- Wenge Wood trim
- Meteor Gray Lower Side Panels & cabinets
- Antracite Carpet
- Satin Brass Metal Trim
- Meteor Gray Seats Fairing

## **Exterior -**

- Top Color: White Socata
- Bottom Color: Gloss Black Metal
- Trim Color: Pearl Night Blue
- Stripe Color: Pearl Dark Gray