P-Mentor

BRINGING TRAINING TO THE NEXT LEVEL



TECNAM
QUALITY AIRCRAFT SINCE 1948



ULTIMATE TRAINER

P-Mentor

The Only Two Seater IFR Certified

Fuel	MOGAS / AVGAS
Approval	CS-23 Amd.5
Flight rules	VFR-VFR/N-IFR-PBN
Tailored for	PPL+HB+VFR/N+IR+PBN+VP
Direct operating costs	€ 64,30/h incl. TBO reserves
CO2 saving (per year – 800h)	30 tons Vs legacy competitor

TRUSTED BY FLIGHT SCHOOLS WORLDWIDE

BARTOLINI AIR · SEVENAIR Academy · RYANAIR MENTORED PROGRAMME · EAS BARCELONA EUROPEAN AVIATION SCHOOL · FAIR · CENTER AIR PILOT ACADEMY · CANAVIA · REDBIRD AVIATION · MERMOZ ACADEMY SINCE 1957 · National flight Centre Pilot Academy · Baylor University · TRAINING · PROFESSIONAL AVIATION · LOT FLIGHT ACADEMY · BUIQUI AEROSPACE · CAA Chimes Aviation Academy · Escola Superior de Aviação Civil · CA CANTOAIR · Aerodynamics ACADEMY

AND MANY OTHERS

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A **mentor** is someone who sees more talent and ability in you than you see in yourself and helps you bring it out. Tecnam has designed **the perfect two seat trainer, designed to unleash your potential: the P-Mentor.**

It represents the ultimate way of training becoming **the first choice for PPL, IR, and UPRT training**. It is the smartest choice for any FTO: one platform for different missions, from basic to instrument training, offering **a complete single-engine course, using one aircraft.**

The **P-Mentor** is extremely comfortable, starting from the cabin, which is spacious, with best of class acoustics and great visibility. Furthermore, it is equipped with the state-of-the-art **Garmin G3X avionics suite optimized to reduce the pilot's workload during flight.** At the same time, for its **beautiful Italian design and its great performance** it becomes extremely appealing for private owners.

Horsepower
100 hp

Max Range
950 NM - 1.760 km

Max Cruise
117 kts - 217 km/h

Useful Load
628 lb - 285 kg





POWERED BY ROTAX 912iSc

A perfect integration of Rotax 912iSc, P-Mentor is the IFR trainer with the lowest fuel consumption and CO_2 emissions currently available - up to 60% reduction of emissions compared with IFR competitors.

CABIN

The P-Mentor interiors offer unprecedented ergonomics and elegance, improving the roominess, cabin access, and acoustic comfort. A wide sliding canopy configuration ensures easy cabin access and remarkable internal volumes. The cockpit panel and canopy ensure unquestionable improvement in terms of visibility, enhancing the occupants' field of view. The aircraft can accommodate 2 occupants, side by side. A roomy baggage compartment is located behind the seats.



THE BEST TRAINING SOLUTION

The avionic suite Integrates with other Garmin avionics allowing control and display information such as traffic, weather. radios audio and mare Festures built-in Connext® wireless technology for flight plan transfer and more with solertion of Garmin portables and mobile device apps such as Garmin Pilot™



CHOOSING P-MENTOR

- **Ultimate confidence -** The P-Mentor can operate under **IFR rules** in compliance with the latest **EASA and FAA** requirements, allowing **PBN/RNAV** as well as **AFCS** training capabilities. The latest avionics and the sporty design allow pilots to feel in complete control of their aircraft, making it fun and easy to manage. With an airframe **Ballistic Recovery System** and compliance with the latest **CS/Part23** requirements for **stall recovery**, the P-Mentor is the safest two-seater on the market.

- **Stylish -** Modern interiors are characterized by design seats, shaped sticks, and **superior visibility**; the P-Mentor is comfort at its best. Italian design and sensual lines, the P-Mentor is the **most attractive low-wing, two-seater in the marketplace** for Flight Training and Personal Mobility.

- **Green -** With perfect integration of **Rotax 912iSc3**,The P-Mentor is the **IFR trainer** with **the lowest fuel consumption and CO_2** emissions currently available, with up to **60% reduction of emissions** compared with IFR competitors! Long-range, full pax/full fuel and **14 L/H consumption**, the P-Mentor represents the best deal for a FTO as well as for private owners.

- **Profitable -** One platform can accompany students from their first flight up to Commercial Pilot License, stepping through **Variable Pitch and (simulated) Retractable Landing Gear**, up to their full instrument rating. Low cost of maintenance, low fuel consumption and great value for money make this aircraft a unique **money maker for any FTO**. On the other hand, for a private owner that usually likes to fly alone or with another person, represents **the smartest deal on the market for a full IFR CS Part/23.**

- **Noiseless** - The P-Mentor is designed to significantly **reduce the noise produced during flight** making it ideal for operating near urban areas and complying with the most stringent environmental regulations.







SPECS

POWER PLANT	
Engine Manufacturer	Rotax 912iSc3
Engine Power	100 HP
Propeller	Model MTV-21 A/180-51
Fuel Consumption	3.7 US gal/h (14 lt/h)
Fuel Type	Mogas and Avgas
Fuel Tank Capacity	37 US gal (140 lt)

PERFORMANCE		
Max Cruise Speed TAS	117 kts	217 km/h
Stall Speed (Flaps Down Power Off) CAS	44 kts	82 km/h
Service Ceiling	13.000 ft	3962 m
Take Off Run	1017 ft	310 m
Take Off Distance	1706 ft	520 m
Rate of Climb	650 ft/min	3,30 m/sec
Landing Run	650 ft	198 m
Landing Distance	1280 ft	390 m
Max Range	950 NM	1760 km

DESIGN WEIGHT AND LOADING		
Maximum Take Off Weight	1587 lb	720 kg
Empty Weight, Standard	959 lb	435 kg
Useful Load	628 lb	285 kg
Baggage Allowance	66 lb	30 kg



STANDARD EQUIPMENT

DUAL DISPLAY GDU 460 SYSTEM WITH EIS

- PFD/MFD GDU 460 Display
- MFD/EIS GDU 460 Dvisplay
- GSU 25D ADAHRS #1
- GEA 24 EIS
- GMU 11 Magnetometer
- OAT Probe GTP 59

Engine Instruments, Displayed in the G3X

- RPM Indicator
- Hour Recorder
- Oil Press.
- Oil Temp.
- Coolant Temp.
- Fuel Press.
- Voltmeter
- Ammeter
- LH + RH Fuel Qty
- Chronometer
- OAT

Other Instruments/Warnings

- Garmin GI-275 - Standby Attitude Module Digital
- Compass, lighted
- Double Annunciator Panel with Push to Test:
  - Stall Warning voice/light
  - Low Fuel Level LH & RH
  - Pitot Heat, Pitot Heat On
  - Back up Batt
  - EMS
  - Lane A & B
  - Batt Fault
  - Pitot Heat, Pitot Heat On

Flight and Engine controls

- Hydraulic Toe Brakes
- Parking Brake
- Electrical Flaps, preselct
- Dual Flight Controls
- Steerable Nose Wheel
- Stabilator Trim (electric actuated from stick)
- Central Quadrant with Single engine Throttle Lever
- Andair Fuel Selector
- Engine Panel Switches:
  - Master/Field
  - Line a & B, guarded
  - Starter Push Button
  - Start Power Switch
  - Momentary Switch

Electrical system

- Integrated Generator A-16 Amp 14 vdc
- Integrated Generator A-30 Amp 14 vdc
- Lithium Battery 15,5 Ah 12 vdc ETX900
- External Power Supply Receptacle
- Circuit Breaker Panel

Fuel system

- Two Integral Fuel Tanks with 140 liters/ 37 US Gal total capacity
- Engine Driven Fuel Pump
- Auxiliary Fuel Pumps, electric
- Fuel Quick Drain
- 1 X Shut Off And Fuel Selector Valve ANDAIR

Exteriors lights

- Nav. Lights LED with strobe Full LED TSO Fully integrated in the wing tip
- Landing Light LED

Interiors

- Pilot And Copilot Seats:
  - Adjustable fore and aft
- Seat Belts & Shoulder Harness, all seats
- Wall To Wall Carpeting
- Luggage Compartments
- Fire Extinguisher
- Radio Call Plate
- Soundproofing
- USB ports
- First Aid Kit
- Emergency Hammer

Exterior

- Epoxy Corrosion Proofing, all structure
- Sliding Canopy with Lock And Key
- Rear Window
- Tie Down Rings
- Main Wheels, 5,00 X 5 Cleveland/ Beringer
- Nose Wheel, 5,00 X 5
- Wheel Pants

Cabin comfort system

- Windshield Defroster
- Ventilator Adjustable, 2 Place
- Heating System

VFR Night Features

- Heated Pitot
- Instrument Light
- Emergency Light
- Map Light
- Dimmers
- Taxi Light Led
- Compass Lighted
- Alternate Static Source
- Day & Night Switch

Powerplant and Propeller

- Engine – 1 ROTAX 912 iSC3 100 HP, 4 Cylinders
- Liquid/air cooled, integrated reduction gear
- Redundant Electronic Fuel Injection
- Engine Management System EMS
- Central Throttle Lever
- Tubular Steel Engine Mount
- Propeller - MT 2 Blade V.P. Hydraulic with Governor
- Propeller Spinner
- Air & Oil Filter
- Oil And Water Coolers
- Thermostat Valves Oil and Water

Standard GARMIN Avionics Package

- GMA 245R Remote Audio Panel
- GNC 255A COM/NAV
- GTX 345R Transponder ADS-B IN/OUT
- GAE 12 Encoder for Transponder
- ELT 406 Mhz KANNAD
- Antennas:
  - XPDR
  - COM 1 CI-121
  - NAV (VOR/LOC/GS) CI-158C
  - Marker Beacon CI-102
  - GPS GA-35
  - GPS GA-56
  - ELT
- Speakers
- Microphone
- Stick Push-To-Talk Switch-Pilot/Copilot
- Mic & Phone Jacks-Pilot/Copilot
- Bose Lemo Connector Pilot/Copilot

Product Support/Documents

- Manufacturer Full Two Year Limited Warranty
- Pilots Operation Handbook
- Maintenance Manual
- Parts Catalog
- Aircraft Log Book

IFR.2* P-Mentor G3X - Rotax 912 iSC3 Sport CS 23 with RNAV capability

Also includes the following equipment:

- Garmin GTN 650 Xi Com, Nav, Gps
- Garmin GAD 29c
- COM 2 C292-2

*Standard for AU, NZ, US & Canada, optional for the rest of the world.



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