

# See all GaugePilot models



Clubman

Pro

Pro S

	Clubman	Pro	Pro S
Fascia	Black Crinkle	Black Crinkle Polished	Black Crinkle Polished Any finish of your choice for an additional fee
Datalogger	No	Yes	Yes
Digital Data Interfaces	No	RS232 (x2) CANBus USB Host	RS232 (x2) CANBus USB Host
Ancillary Gauges	8 Black Face	24 Black Face	Up to 32 Bespoke Faces to compliment your vehicle
Alerts	2 Outputs User Programmable	2 Outputs User Programmable	2 Outputs User Programmable
Rally Computer	SpeedPilot Twinmaster	SpeedPilot Twinmaster	SpeedPilot Twinmaster Bespoke Applications, such as the RPS Edition's RallyMaster
Stopwatches	Twin	Twin	Twin
Service Information	25 Items Calendar / Mileage / Hours based	25 Items Calendar / Mileage / Hours based	25 Items Calendar / Mileage / Hours based
Car ID (Multiple Car Support)	No	Yes	Yes
Concourse Mode	Yes	Yes	Yes
Warranty	12 months	12 months Additional 12 months of GaugeCare for £120	12 months
Price	£TBC	£1200 Includes £200 of VAT	from £1410 Includes £235 of VAT

Enquires to [clive@autochron.co.uk](mailto:clive@autochron.co.uk) – 01442 873345 - 07841 533840

GaugePilot is a trademark of Hamby Industries Limited (c) 2015

Gauges	Clubman	Pro	Pro S
<b>Rally Computer</b>			
General	Miles or Km (without recalibration) Analogue presentation (rotating discs) of hundreds, tens, units, tenth, and hundredth digits		
Internal Clock	Temperature compensated real-time clock Each unit individually calibrated to within 2ppm		
Calibration	calibration via distance travelled per pulse Internal rounding error of less than 1mm per 2.5 million pulses three levels of calibration (default via Tyre Size, Home distance calibration, Roadbook distance calibration)		
Multiple Tyresets	N/A	N/A	Home calibrations for 4 different tyresets Roadbook calibration can be applied to all home calibrated tyresets
Regulation Mode	Modes for use in events that restrict permitted rally computer functionality Allows use in HERO-CRA events without incurring penalty points (without any speed or average speed functionality, odometer limited to 2 decimal places, single tyreset and single calibration) Can be activated, but not deactivated, by user for duration of an event		
SpeedPilot	Target speed range of 22-90 Pilot hand indicates to +/-20 minutes of target schedule		
TwinMaster	Seperate Total and Interval Odometers Interval Odometer can be linked to SpeedPilot odometer if desired Forward/Reverse/Off and Upper/Lower/Both control as per the original		
Bespoke	N/A	N/A	Other application-specific rally modes available on request e.g. Rallymaster on RPS Edition with average speed display and target speed setting to two decimal places
<b>Stopwatches</b>			
General	Two independant Stopwatches Interval Accurate to 1/8 second Automatic Stop on power off; Last value recalled at power on		
<b>Datalogger</b>			
General	N/A	Internal non-volatile memory Up to 32 channels 12 samples per second 10 bit resolution More than 10 hours internal storage	Internal non-volatile memory Up to 32 channels 12 samples per second 10 bit resolution More than 10 hours internal storage

Enquires to [clive@autochron.co.uk](mailto:clive@autochron.co.uk) – 01442 873345 - 07841 533840





Gauges	Clubman	Pro	Pro S
Direct Inputs (also via RS232 / CANbus for Pro / Pro S)	Voltage	Voltage	Voltage
	Oil Temperature* <sup>1</sup>	Oil Temperature* <sup>1</sup>	Oil Temperature* <sup>1</sup>
	Water Temperature* <sup>1</sup>	Water Temperature* <sup>1</sup>	Water Temperature* <sup>1</sup>
	Ambient Temperature* <sup>1</sup>	Ambient Temperature* <sup>1</sup>	Ambient Temperature* <sup>1</sup>
	Intake Temperature* <sup>1</sup>	Intake Temperature* <sup>1</sup>	Intake Temperature* <sup>1</sup>
	Oil Pressure* <sup>2</sup>	Oil Pressure* <sup>2</sup>	Oil Pressure* <sup>2</sup>
	Fuel Pressure* <sup>2</sup>	Fuel Pressure* <sup>2</sup>	Fuel Pressure* <sup>2</sup>
	Boost* <sup>2</sup>	Boost* <sup>2</sup>	Boost* <sup>2</sup>
	RPM	RPM	RPM
	Fuel Level	Fuel Level	Fuel Level
	Speedometer (not statutory)	Speedometer (not statutory)	Speedometer (not statutory)

Note: \*<sup>1</sup> Only 2 direct temperature inputs are available. Additional channels can be input via a digital interface if required

\*<sup>2</sup> Only 1 direct pressure input is available. Additional channels can be input via a digital interface if required

Mathematically Generated*	Clubman	Pro	Pro S
	Average Speed	Average Speed	Average Speed
	Gear	Gear	Gear
	Odometer	Odometer	Odometer

Note: \*Mathematically generated channels are only available where suitable source data from which to generate them is also available

Inputs via RS232 / CANbus	Clubman	Pro	Pro S
	N/A	Air Fuel Ratio (1-2)* <sup>1</sup>	Air Fuel Ratio (1-2)* <sup>1</sup>
		CHT (1-4)* <sup>2</sup>	CHT (1-4)* <sup>2</sup>
		EGT (1-4)* <sup>2</sup>	EGT (1-4)* <sup>2</sup>
		Oil Temperature* <sup>3,4</sup>	Oil Temperature* <sup>3,4</sup>
		Water Temperature* <sup>3,4</sup>	Water Temperature* <sup>3,4</sup>
		Ambient Temperature* <sup>3</sup>	Ambient Temperature* <sup>3</sup>
		Intake Temperature* <sup>3,4</sup>	Intake Temperature* <sup>3,4</sup>
		Oil Pressure* <sup>3,4</sup>	Oil Pressure* <sup>3,4</sup>
		Fuel Pressure* <sup>3,4</sup>	Fuel Pressure* <sup>3,4</sup>
		Boost* <sup>3,4</sup>	Boost* <sup>3,4</sup>
		RPM* <sup>3,4</sup>	RPM* <sup>3,4</sup>
		Gear* <sup>4</sup>	Gear* <sup>4</sup>
			Additional 8 channel types as part of bespoke face service

(\*<sup>1</sup> e.g. Innovate Motorsports LC-1/LC-2)

(\*<sup>2</sup> e.g. Innovate Motorsports TC-4)

(\*<sup>3</sup> e.g. Innovate Motorsports SS1-A / LMA-3)

(\*<sup>4</sup> e.g. DTA 5 Series ECU)

## Warnings

Outputs	Clubman	Pro	Pro S
	2 programmable current sinks	2 programmable current sinks	2 programmable current sinks
	Sink up to 2A	Sink up to 2A	Sink up to 2A
	Suitable for visual indicator or buzzer	Suitable for visual indicator or buzzer	Suitable for visual indicator or buzzer
Alerts	Clubman	Pro	Pro S
	Low Oil Pressure	Low Oil Pressure	Low Oil Pressure
	High Oil Temperature	High Oil Temperature	High Oil Temperature
	High Coolant Temperature	High Coolant Temperature	High Coolant Temperature
	Low Fuel	High CHT 1	High CHT 1
	Battery Voltage Low	Low Fuel	Low Fuel
	Preset Speed Exceeded	Battery Voltage Low	Battery Voltage Low
	Ice Warning	Preset Speed Exceeded	Preset Speed Exceeded
	RPM Limited exceeded	Ice Warning	Ice Warning
		RPM Limited exceeded	RPM Limited exceeded

Each alert can be sent to screen (RED or YELLOW) and/or a warning output (1 or 2)

Enquires to [clive@autochron.co.uk](mailto:clive@autochron.co.uk) – 01 442 873345 - 07841 533840

## Sensors

	Clubman	Pro	Pro S
Analogue Inputs	Temperature x2 Pressure Fuel Level Voltage (from Battery feed)	Temperature x2 Pressure Fuel Level Voltage (from Battery feed) Car ID	Temperature x2 Pressure Fuel Level Voltage (from Battery feed) Car ID
Digital (Pulse) Inputs	RPM Wheel Speed	RPM Wheel Speed	RPM Wheel Speed
USB Interface	N/A	Host Interface Maximum Current: 500mA	Host Interface Maximum Current: 500mA
Serial Interfaces	N/A	Standard RS232 Electrical Levels Baud rate to suit higher level protocol No hardware flow control	Standard RS232 Electrical Levels Baud rate to suit higher level protocol No hardware flow control
CANBus	N/A	High Speed Mode (1Mb/s) ISO-11898-5 Physical Layer	High Speed Mode (1Mb/s) ISO-11898-5 Physical Layer
Digital Protocols	N/A	Innovate MTS for LC-1, LC-2, TC-4, SSI-4, & LMA-3 devices (RS232) DTA 5 Pro Series, Gauge Datastream (CANBus)  Others Protocols by Request	

## Service Information

Individual Service Items	<ul style="list-style-type: none"> <li>Engine Oil<sup>(CHM)</sup></li> <li>Transmission Oil<sup>(C)</sup></li> <li>Brake Fluid<sup>(C)</sup></li> <li>Tyres<sup>(C)</sup></li> <li>Front Brakes<sup>(CM)</sup></li> <li>Rear Brakes<sup>(CM)</sup></li> <li>Spark Plugs<sup>(CH)</sup></li> <li>Points<sup>(CH)</sup></li> <li>Coolant<sup>(C)</sup></li> <li>Battery<sup>(C)</sup></li> <li>Air Filter<sup>(CH)</sup></li> <li>Fuel Filter<sup>(CH)</sup></li> <li>MoT<sup>(C)</sup></li> <li>Tax<sup>(C)</sup></li> <li>Insurance<sup>(CH)</sup></li> <li>Hrs-Engine<sup>(H)</sup></li> <li>Hrs-Transmission<sup>(H)</sup></li> <li>Hrs-Suspension<sup>(H)</sup></li> <li>Hrs-Steering<sup>(H)</sup></li> <li>Hrs-Brakes<sup>(H)</sup></li> </ul>
--------------------------	---

Note: C=Calendar, H=Hours Runs, M=Mileage

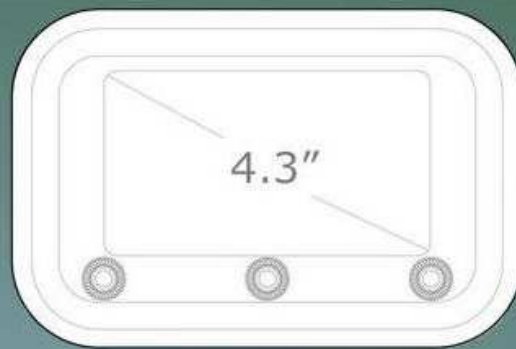
0..980 hours run in 20 hour steps

0..10 years; 0..36 months in 3 month steps; 3..10 years in 1 year steps

0..20000 miles/km; 0..2500 in 500 steps; 500..20000 in 2500 steps

Enquires to [clive@autochron.co.uk](mailto:clive@autochron.co.uk) – 01442 873345 - 07841 533840

## Display



480 x 272 4.3" (diagonal) LED Backlit Display  
 15 levels of illumination with day/night settings  
 Scientifically validated outer bubble screen to minimise reflections  
 Anti-reflection coated  
 Sunlight readable

## Case

Injection moulded plastic case

Machined from solid aluminium  
billetMachined from solid aluminium  
billet

## Case Sealing

Screen to front case weather seal  
 Knob to Screen weather seal  
 Internal moisture collector  
 Provision for sealing boot around electrical wiring

## Dimensions

Width: 148mm  
 Height: 98.5mm  
 Total depth: 87.2mm  
 Bezel depth: 25.2mm

## Electrical

Designed for 6V & 12V operation  
 Designed for both Negative & Positive Earth Vehicles  
 Compatible with a Battery Isolation Switch  
 Internal CR2032 battery for clock & data retention  
 EN50498:2010 Automotive EMC Compliant

Enquires to [clive@autochron.co.uk](mailto:clive@autochron.co.uk) – 01442 873345 - 07841 533840