



# Caerbont Automotive Instruments

"The original makers of SMITHS Instruments"

## Instructions for *Flight and Prism* 52mm Monitoring Instruments

Independently tested and approved to 95/54/EC

Designed and manufactured under ISO9001:2000  
quality standard

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### Installation Guide

Flight & Prism range 52mm monitoring instruments  
Part numbers:

- FCT1- and PCT1- series (Temperature)
- FFC1- and PFC1- series (Fuel)
- FMP1- and PMP1- series (Boost)
- FOP1- and POP1- series (Oil Pressure)
- FOT1- and POT1- series (Oil Temperature)
- FVO1- and PVO1- series (Voltmeter)

### Application Notes

- For fitment to **negative earth** vehicles **only**.
- Operating voltage: 11 – 17volts DC

**Caution**  
**Disconnect The Negative**  
**Battery Cable**  
**Prior To Any Installation**

<b>INFORMATION:</b>	
<b>Senders applicable to Flight and Prism Instruments</b>	
<b>CAI Part Number</b>	<b>Description</b>
PTTR2300-10	Oil Pressure, 1/8NPT
PTTR2300-03	Boost Sender 1/8, NPT
TT3001-8N	Coolant Temp Sender, 1/8 NPT
TT3005-8N	Oil Temp Sender, 1/8 NPT
TA9110-000	Fuel Sender, 5 hole flange
EMP34-1	Speed Sender, M8 X 50mm

Harness Connections				
	Green	Black	Red/White	White/Black
Coolant & Oil Temperature	Switched ignition positive 12volt supply (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input
Fuel	Switched ignition positive 12volt supply (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input
Oil and Boost Pressure	Switched ignition positive 12volt supply (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input
Voltmeter	Switched ignition positive 12volt supply (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Not used