



# 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

Caerbont Automotive Instruments Ltd  
Abercrave, Swansea, SA9 1SH  
Tel: +44 (0) 1639 732200  
Fax: +44 (0) 1639 732201  
www.caigauge.com

### 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, 1/4NPT
PTTR2300-03	Boost Sender 1/4, 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

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