



# Caerbont Automotive Instruments

*"The original makers of SMITHS Instruments"*

## Instructions for Flight, Prism and derivative 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)
- PG1310-03CB Cobra Fuel Pressure

### Application Notes

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

### Caution

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

INFORMATION:	
Senders applicable to Flight, Prism and derivative Instruments	
Part Number	Description
PTTR2300-10-4NKIT	Oil Pressure, 1/4NPT
PTTR2300-10-8NKIT	Oil Pressure, 1/8NPT
PTTR2300-03-4NKIT	Boost & Fuel, 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 33mm

Pressure senders are supplied with mating connector and flying leads to be connected as follows	
Green	Ign. switched 12V
Black	Ground
Green/orange	To white/black on gauge harness

Instrument		Green		Black		Red/White		White/Black	
Coolant & Oil Temperature	Switched ignition positive (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input	Sender input	Sender input	Sender input	Sender input	Sender input
Oil, fuel and Boost Pressure	Switched ignition positive (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input	Sender input	Sender input	Sender input	Sender input	Sender input
Voltmeter	Switched ignition positive (via 3A fuse)	Chassis or battery negative	Instrument illumination 12volt supply (side light feed)	Sender input	Sender input	Sender input	Sender input	Sender input	Sender input