



# 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  
ISO9001:2015 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)
- EAPx – (Air Pressure)

### Application Notes

- For fitment to **negative earth** vehicles **only**.
- Operating voltage: see 2<sup>nd</sup> section of part number

xxxx-1xxx-xxx = Positive 11 – 17 volts DC  
xxxx-2xxx-xxx = Positive 22 – 30 volts DC

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

INFORMATION:	
<i>Senders applicable to Flight, Prism and derivative Instruments</i>	
CAI	
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

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

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