



Caeront Automotive Instruments

"The original makers of SMITHS instruments"

Instructions for 80mm/100mm Smiths *Motorsport* Battery Operated 9V

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Terms and conditions apply.

For further information go to the Caeront
Automotive web site "www.caigauge.com".

Products designed and manufactured under ISO
9001:2008 quality standard.

Installation Instructions

The **SMITHS** MotorSport Classic tachometer is available in
80mm and 100mm diameter case size.

INSTALLATION:

To fit the tachometer, either an 80mm or 100mm clearance hole is required,
dependant on the model purchased.

Connect the battery box with PP3 battery to the Tachometer harness

A harness is provided with 3 free end wires to connect to your vehicle
as below:

BLACK - Connect to ground
BLUE - setting functions.

RPM signal input alternatives:-

RED/BLUE - Connect to contact breaker side of Ignition Coil,

The Blue wire is used to set the calibration of the instrument, i.e. the
number of cylinders.

OPERATING INSTRUCTIONS:

SETTING THE NUMBER OF ENGINE CYLINDERS

(For conventional ignition systems, 1 coil & 1 distributor)

With the ignition switched off, press and hold the blue wire to ground.
Keeping the blue wire to ground, switch on the battery
, keep the wire grounded until the pointer moves to the factory setting of
4 cylinders. Each contact of the blue wire to ground will increment the
pointer by 1000RPM (or 1 cylinder), up to 6 cylinders. When the
number of cylinders exceeds full scale then the pointer will move
backwards with each minor chaplet representing a 1 cylinder increment.
If 6 cylinders are exceeded, then the sequence will restart at 1 cylinder
(1000rpm).

4 cylinder lost spark ignition systems:-

These systems have two double ended coils and no distributor.
Connect the red/blue lead of the tachometer to one coil only. The setting will
need to be halved, therefore set at 2000(2) not 4000(4), in this case.

When the pointer is at the correct cylinder number, hold the blue wire to
ground until the pointer has returned to zero. Switch the battery power
off then back on to set the tachometer to its new setting.

For advice on other ignition systems: contact technical support :-
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