



## VPR-304 – Oil Temperature Gauge Instructions

### Important Notes

- The installation of gauges may require a Raceworks adapter for the particular sensor and your vehicle. Please check with your local Raceworks dealer if the required adapter is not included in this gauge kit.
- All Raceworks gauges are suitable for use in 12V systems only.
- Raceworks recommends all gauges be installed by a professional to prevent damage to the product.

### Contents

In the box	Qty
Oil Temperature Gauge	1
Sun-visor	1
Mounting U Bracket	1
Mounting Stand Offs	2
Mounting Flat Washers	2
Mounting Nuts	2
Power Wire (50cm)	1
Daisy Chain Wire (20cm)	1
Sensor/Signal Wire (270cm)	1
1/8" NPT Oil Temperature Sensor	1
Installation Instructions	1

### Installation

Included is a 1/8" NPT oil temperature sensor. This may be fitted in a factory port if a factory sensor is no longer required, or can be fitted to an oil filter sandwich plate. It also may be fitted on a remote oil filter mount, or on a hose to/from an engine oil cooler. The sensor may then be connected to the yellow connector on the rear of the gauge, via the included sensor cable.

The gauge may be powered using the included harness which may be connected to either of the white connectors. The second white connector is for daisy chaining additional gauges, meaning that the power, ground and illumination only needs to be connected to one gauge in a series.

#### Wire Colours

Red – To Ignition or Accessories circuit (+12V)

Black – Ground

Yellow – Constant power (+12V)

White – Illumination (+12V). Do not connect to any wire that operates using a dimmer.

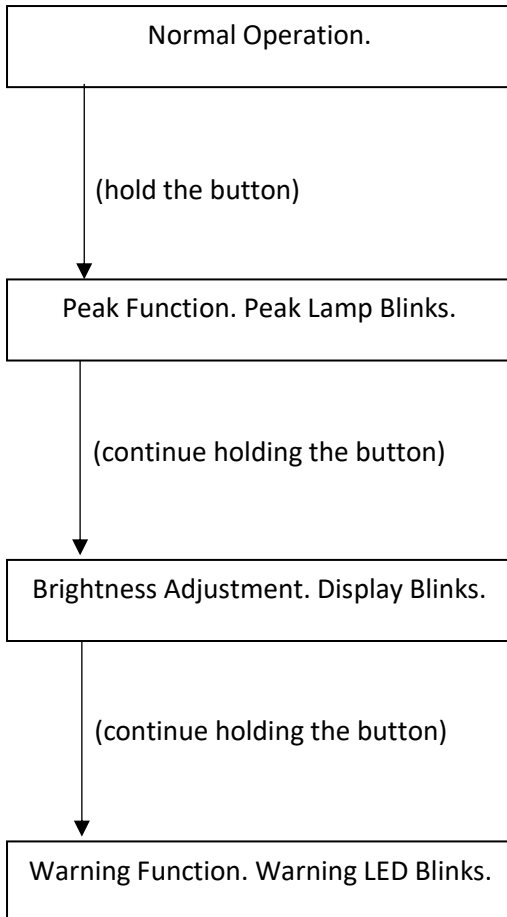
### Mounting

The gauge may be used with or without the included sun-visor. A U-bracket, standoffs, washers and nuts are supplied for mounting the gauge to a panel with a 52mm diameter hole.

## Operation

The functions of the gauge all operate through the use of a single button on the face. A short press of the button cycles between the 10 LED colours. A different backlight colour may be saved for day mode and night mode (night mode is when headlights are on or illumination wire is given +12V).

A long press of the button does the following –  
Peak->Brightness->Alarm.



### Release the button

- 1) Peak stops blinking. The pointer moves to the peak position.
- 2) Long press the button to clear the peak value.
- 3) Allow to stand for 5s. Gauge will resume normal operation.

### Release the button

- 1) Brightness stops blinking. The pointer moves to the current brightness setting.
- 2) Short press of the button to change the brightness.
- 3) Allow to stand for 5s. Setting is saved and gauge resumes normal operation

### Release the button

- 1) Warning stops blinking. The pointer moves to the warning position.
- 2) Short press of the button to change the warning position.
- 3) Allow to stand for 5s. Setting is saved and gauge resumes normal operation.

## Specifications

Operating Range	40-120 DegC
Operating Voltage	10-18V
Gauge Lighting Type	10 Colour LED (Dimmable)
Gauge Lighting Colours	Red, Green, Blue, Yellow, Purple, Teal, Cool White, Pink, Warm White and Orange
Mounting Depth	44mm
Total Depth (Including Bezel & Button)	55mm
Mounting hole diameter	52mm

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