

Tachometer Season 1/2

Hardware revision V2.3
Testing and Calibration guide
July 2023

Green Backlite, Yellow LEDs	Light up
2x Dummy displays	Random light play 3 to 12 segments
VoltMeter	No calibration needed 0 empty 10.5V Undervoltage 4 half/green 12.0V Battery good 8 all/green 13.8V Charging 12 red 15.0V OverVoltage
Engine Coolant Temperature	No calibration needed start of scale 1365 Ω 100°F 38°C half scale 710 Ω 180°F 82°C end of scale 55 Ω 260°F 127°C
Oil pressure	No calibration needed start of scale 10 Ω 3psi half scale 50 Ω 40psi end of scale 90 Ω 80psi
Engine Rotation per Minute RPM	Set Number of cylinders <i>V4 V6 V8 via jumper</i> Fine adjust calibration <i>via multi turn trimmer</i> Reading: x100 RPM 10 1000rpm 20 2000rpm 35 3500rpm 50 5000rpm Input: frequency signal Calibrate with function generator 200Hz 6000rpm V4 200Hz 4500rpm V6 200Hz 3000rpm V8 Calibrate with real car minrpm e.g. 900rpm -> reading 09