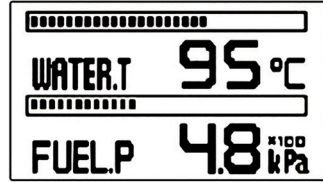




Thank you for purchasing our product. Before installing and using, please read this manual carefully and follow the contained instructions. Installation should be carried by a trained professional. Any issues with compatibility or installation should be addressed by a trained professional before attempting to install any Pro G product. Product is design for providing information to driver about the engine conditions and other important parameters. After installation please keep this manual and the warranty card. Pro G will not be responsible for injury or harm to persons or property when caused by persons or vehicles using Pro G products. Using of our products is freely and you use it for your own risk.

2.0  
BOOST  
BAR

2.5  
**AVS**  
**SERIES**  
**INSTRUCTION**



PROG STEPPING MOTOR SYS **MANUAL**

| Warning | Danger | Caution | Attention |
|---------|--------|---------|-----------|
|         |        |         |           |

**Before installation**

- ❗ Before installation, check all parts included.
- ❗ Read the instruction carefully before operation.
- ❗ Product should be installed by the professionalists. Installation by the customer will void warranty.
- ⚠ Before parking make sure there is no flammable objects under the car. High temperature from muffler and exhaust may cause fire.
- ❗ Take off the key from the ignition and disconnect the negative (-) battery terminal. Failure to do could result in a fire caused by an electrical short circuit. (clock, audio, navigation system, electric seats etc. could lose memory when removing minus terminal on battery)
- ⚠ If its not necessary or you taking a brake do not start your engine in closed spaces. Gas from exhaust may cause carbon monoxide poisoning.
- ⚠ Make sure that the vehicle will remain stationary and turn off the engine.
- ⚠ Make sure the exhaust parts are cold when you start work with them.
- ⚠ Make sure that all mounting parts and places are examined. Wrongly installed objects would cause the fall and it's very dangerous.
- ⚠ Make sure you'll always use seal tape, securing crimp connectors or solder individual wire junctions together when installing sensors
- ❗ Make sure you not leave any debris in pipe after installation exhaust sensors.
- ⚠ Be careful when working with fuel lines. Gasoline is flammable and may induce fire. You should work outside or in good ventilated room.
- ⚠ When your work is done, make sure there's nothing under the driving pedals.
- ⚠ Keep children away from installation area. They may swallow small parts and be injured.

**Installation**

- Ⓜ Product is designed for use only on 12V vehicles.
- Ⓜ During installation wear goggles and gloves to avoid injuries.
- ❗ After purchase the pointer may not be in the proper position. Normal function will resume when power is connected.
- ❗ During installation you should use the maintenance book of your car to proper detaching genuine parts.
- Ⓜ Installation requires disassembly inner and outer covering parts of a vehicle and modification of electrical component. Work carefully, we don't take any responsibility when one of these operations goes wrong.
- ❗ If your car is equipped on navigation system or television, make sure that the wires of product are installed as far as possible from that systems. Failure to do may result in interferences on displays.
- Ⓜ Make sure not to do miswiring. It could wreckage all electrical components.
- Ⓜ Pressure sensor is a very precision component. You shouldn't install it near vibrations places and at high temperature areas.
- Ⓜ Do not install the power unit in places with humid and dust, exposed on direct light or nozzle heater etc.
- Ⓜ Do not install in electrically noisy environments. It may cause the sensor glitch.
- ❗ Due to the precision of device, do not drop or hit it hard
- ⚠ Take care to not install this product in a way that interferes with safety equipment such as seat belts and air bag systems or other vehicle operation equipment. Failure to do can result in an accident or fire.
- ⚠ Make sure the using fuse have regulated capacity. When fuse has blowout you should discontinue use the product. Failure to do may cause fire.
- Ⓜ Every gauge must have its own fuse.
- Ⓜ Make sure you use only wires provided with device.
- Ⓜ Make sure all wires are installed as far as possible from ignition system and radio signal frequency interferences. Failure to do could cause the gauges malfunction.
- Ⓜ Make sure all wires are installed as far as possible from engine, exhaust pipes or turbine. It may cause damages or fire.
- Ⓜ Make sure you not bend the wire near the sensor body when installing.
- Ⓜ Gauges shouldn't be installed into the passenger side or on the center of the dashboard.
- Ⓜ Make sure all unused wires are insulated.

----- 12 Month limited warranty -----

Pro G guarantees that the product has been manufactured using high quality materials and is free from defects. However, if the product is damaged resulting from manufacturing defects it is covered by a 12 month warranty from the date of purchase. This warranty is limited to the repair or replacement of parts and in no event shall this warranty exceed the original purchase price. This warranty applies only to the original purchaser of product and is non-transferable. In case when the product was repair or installed in unauthorized workshop or get damaged as a result of carelessness by user for example breaking the parts of product, accidents, water damages the warranty will void. Pro G does not take the responsibility for consequential, damages or injuries resulting from non-compliance to the instructions contained in this manual.

**Exploitation**

- ❗ Pro-G does not take responsibility for any damages of losses of genuine parts for your vehicle.
- ⚠ While driving, look at the gauges for short periods of time. Distract caused by long looking at gauges may result in an accident.
- ⚠ Immediately stop use gauges when smoke or a strange odor comes from them or water gets into them. Failure to do could result in fire or an accident.
- ❗ Information displayed on gauges are for reference purposes only. Drive according vehicle originally equipped instruments.
- ❗ Product uses high luminance LEDs. There might be a little color difference in the LED production tolerance while using several gauges.
- ⚠ Do not operate Pro-G Gauges while driving. It could cause a traffic accident.
- Ⓜ Do not modify the sensor.
- Ⓜ Do not modify or disassemble product. It will be exempt from warranty.
- ❗ If you have any questions or concerns about our product feel free to contact us.

----- For the technician: -----

Please return this manual with warranty to the customer after mounting product.

----- For the user: -----

Please give this manual and warranty to other person who use your vehicle with our products.

**PROG**  
ENGINEERING  
For more info please visit:  
[WWW.PROGMETERS.COM](http://WWW.PROGMETERS.COM)

Contact information:  
[INFO@PROGMETERS.COM](mailto:INFO@PROGMETERS.COM)

Technical Support:  
[SUPPORT@PROGMETERS.COM](mailto:SUPPORT@PROGMETERS.COM)

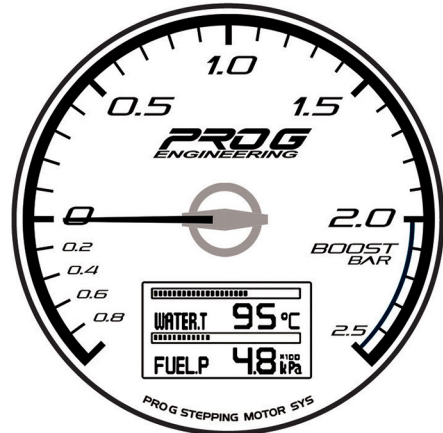


## Package Contents :

**Oil Pressure Version :** Gauge Head\*1 / Oil Press Sensor\*1/Oil Pressure Sensor Wire\*1/Control Box\*1/Gauge Wire \*1/Remote Controller\*1/Meter Visor\*1/ Gauge Stand\*1 / Operation Manual\*1

**BOOST Version :** Gauge Head\*1 / BOOST Sensor\*1/BOOST Sensor Wire\*1/Control Box\*1/Gauge Wire \*1/Remote Controller\*1/Meter Visor\*1/ Gauge Stand\*1 / Air silicone tube+Air/fuel Filter+Three-way pipe/Operation Manual\*1

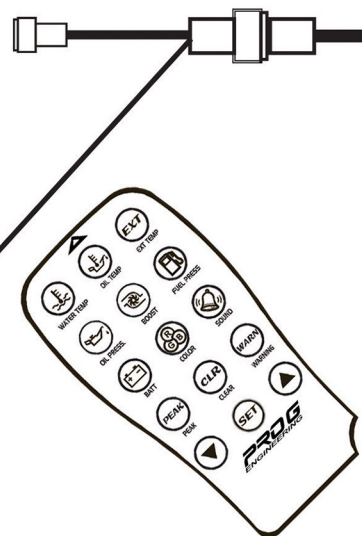
## Installation Diagram



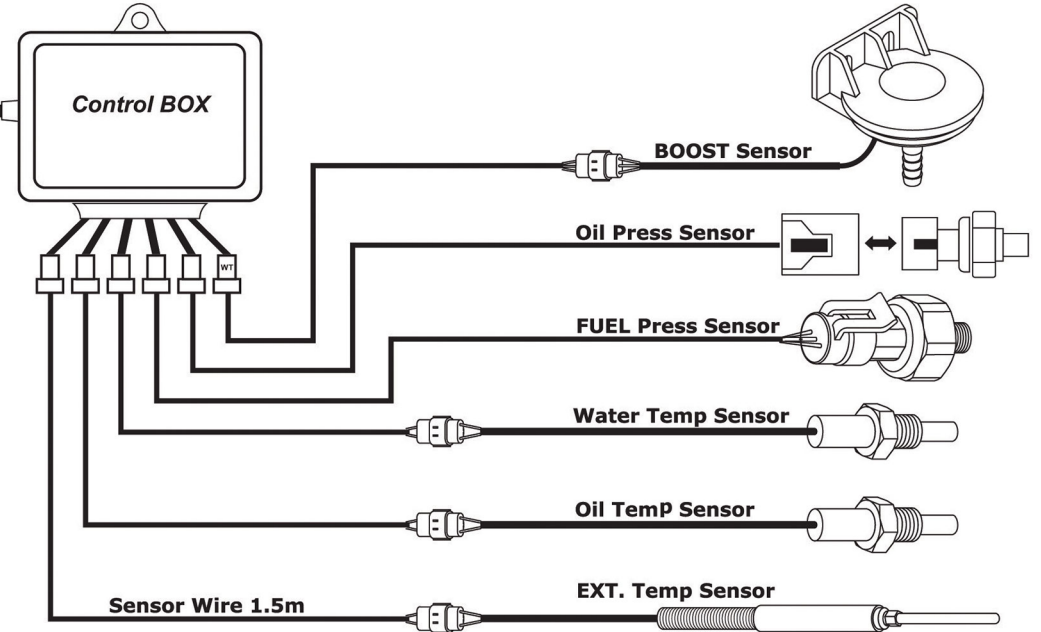
- RED : CONSTANT POWER
- YELLOW : Ignition POWER (ACC)
- WHITE : ILLUMINATION POWER
- Black : Ground SOURCE

PASSENGER COMPARTMENT SIDE

ENGINE COMPARTMENT SIDE

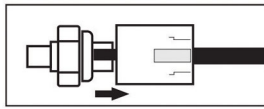


REMOTE CONTROL SETTING

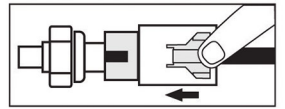


## CAUTION Oil Pressure

Attach the sensor to the wire by tenon with a click.



Push the green part to the end for taking off the sensor.



1. To avoid oil leaks during installation of sensor, please use Telfon tape while installation. Before driving, inspect tubing and oil blocks for leaks. Leaks could cause a fire or damage the engine.
2. To avoid oil leaks, please ensure the size of adaptor is suited.
3. To avoid the damage of sensor wire, please fix the waterproof connector on the vehicle body.
4. Oil spills by the installation work. Please replenish the engine with oil. The engine might overheat when oil is too little.

## BOOST

1. Please DO NOT install BOOST sensor nearby HEAT.
2. To avoid disconnection of rubber hose during pipe installation, suggest using tie-wraps to tie up.
3. To avoid Sensor failed due to fuel gas, please install the filter and check regularly.

## Exhaust Temp.

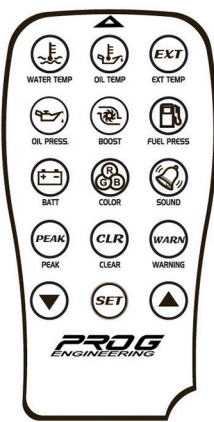
1. To avoid damage, please make sure using insulating tape or bushing while connection.
2. To avoid damage of sensor wire, please fix the waterproof connector on the vehicle body.
3. Please avoid over bending the sensor steel wire, or the sensor will be broken-down.

## Water Temp / Oil Temp

1. To avoid damage, please make sure using insulating tape or bushing while connection.
2. To avoid damage of sensor wire, please fix the waterproof connector on the vehicle body.

# PROG AVS SERIES ENGINEERING REMOTE CONTROLLER OPERATION MANUAL

Remote Controller Operation **Tips of Remote Controller Operation** :In setting process, idle any button for 5 seconds or press directly; the gauge will leave setting mode and save automatically.



The remote controller features 15 buttons arranged in a grid. The buttons are labeled as follows: 1. Water Temp (WT icon), 2. Oil Temp (OT icon), 3. EXT (EXT icon), 4. Oil Press (OP icon), 5. BOOST (BOOST icon), 6. Fuel Press (FP icon), 7. Voltage (V icon), 8. Backlight (B icon), 9. Warning Sound (S icon), 10. PEAK (PEAK icon), 11. CLR (CLR icon), 12. WARN (WARN icon), 13. DOWN (DOWN icon), 14. SET (SET icon), 15. UP (UP icon). The PROG ENGINEERING logo is at the bottom.


1. Water Temp
2. Oil Temp
3. EXT
4. Oil Press
5. BOOST
6. Fuel Press
7. Voltage
8. Backlight
9. Warning Sound
10. Peak
11. Peak Clear
12. Warning
13. DOWN
14. SET
15. UP

**⚠ WARNING**  
Please must follow all installations in this manual to ensure safe installation and operation of the product. DO NOT disassemble or reassemble the product. This might cause damage or make them unsafe to use. When the product is disassembled or reassembled, the Warranty can't be offered. Before installation, please make sure the engine is switched off and the vehicle is stationary. Due to possible injury from contact with a hot engine or exhaust pipe, DO NOT begin installation until the vehicle is cool. When attaching wires for the product, please take care so that the product's wires do not interfere with existing wires. This product is only for use on vehicles with 12V electronic system. °

### Warning Value Setting Function

#### Oil Press/Boost Warning Setting (Needle)

When the OP value is Below / BOOST value is OVER, the warning will be functional



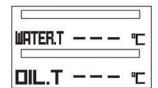
1. Select icon by press to enter the Warning Value Setting Mode.
2. Press or to show the Oil Pressure or BOOST Warning Value.
3. Then Press or to adjust the Warning Value.
4. Press to save setting or idle any button for 5 seconds to leave the setting mode.

#### Water Temp/Oil Temp Warning Setting (Only the WT / OT on Display. The Warning Function will be Functional)

When the WT / OT value is OVER, the warning will be functional

1. Select icon by press to enter the Warning Value Setting Mode.
2. Press or to show the Water Temp or Oil Temp Warning Value.
3. Then Press or to adjust the Warning Value.
4. Press to save setting or idle any button for 5 seconds to leave the setting mode.

### Sensor Disconnected Function



1. If the sensor is disconnected, OLED Display will show " --- " .

#### Exhaust Temp Warning Setting (Only the Exhaust Temp on Display. The Warning Function will be Functional)

When the Exhaust Temp value is OVER, the warning will be functional

1. Select icon by press to enter the Warning Value Setting Mode.
2. Press to show the Exhaust Temp Warning Value.
3. Then Press or to adjust the Warning Value.
4. Press to save setting or idle any button for 5 seconds to leave the setting mode.

### Backlight LED Setting Function

1. Select icon by press to change the backlight color. 7 types of Colors.
2. Press to save the setting or idle any button for 5 seconds to leave the setting mode.

#### Voltage/Fuel Press Warning Setting (Only the Voltage/FP on Display. The Warning Function will be Functional)

When the Voltage/FP value is Below, the warning will be functional


1. Select icon by press to enter the Warning Value Setting Mode.
2. Press or to show the Voltage or Fuel Pressure Warning Value.
3. Then Press or to adjust the Warning Value.
4. Press to save setting or idle any button for 5 seconds to leave the setting mode.

### Warning Sound Setting Function

1. Select icon by press to change the Warning Sound. All have 4 types.

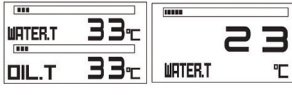
### Peak Value Show / Clear Setting Function

#### Show ( OP )




1. Select icon by press to enter the PEAK Value Mode.
2. Press to show the Oil Pressure PEAK Value.
3. Press or idle any button for 5 seconds to leave the setting mode.

### OLED Display Setting Function



1. All Icons for WT/OT/OP/EXT/BOOST/FP/Voltage, 7 Types.
2. Select icon by press and to change the display for WT and OT.
3. If select icon by press twice, display will show one data.

#### Clear ( OP )



1. Select icon by press to enter the PEAK Value Mode.
2. Press to show the Oil Pressure PEAK Value.
3. Then Press to clear "All" PEAK Value.
3. Press or idle any button for 5 seconds to leave the setting mode.

### Factory Default Setting Function

1. Select icon by press then to recall the Factory Default Setting.

### Forced Power OFF and On Function

1. Select icon by press then to Force the Gauge Power OFF and On.