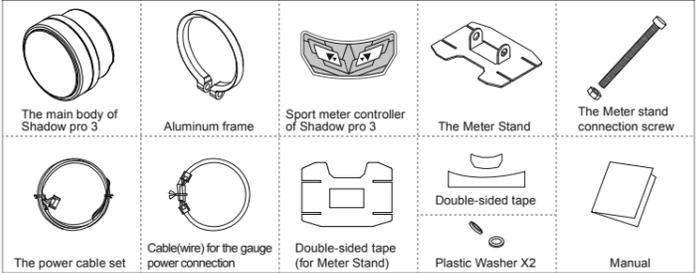


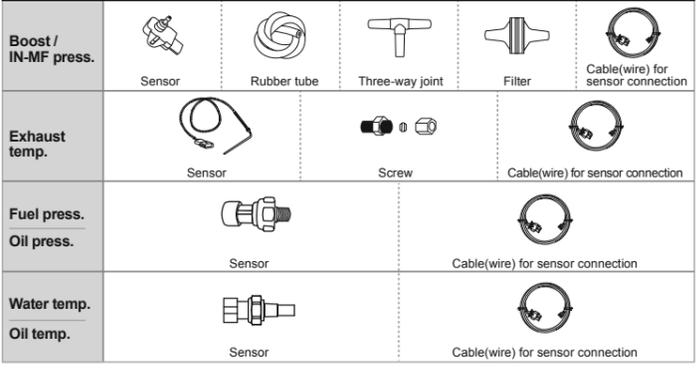
SHADOW SPORTS METER

PROFESSIONAL 3 52MM / 60MM

CONTENTS (Schematic diagram for reference)



ACCESSORIES FOR DIFFERENT GAUGE (Schematic diagram for reference)



IMPORTANT

Read the instruction manual before installation for better understanding.

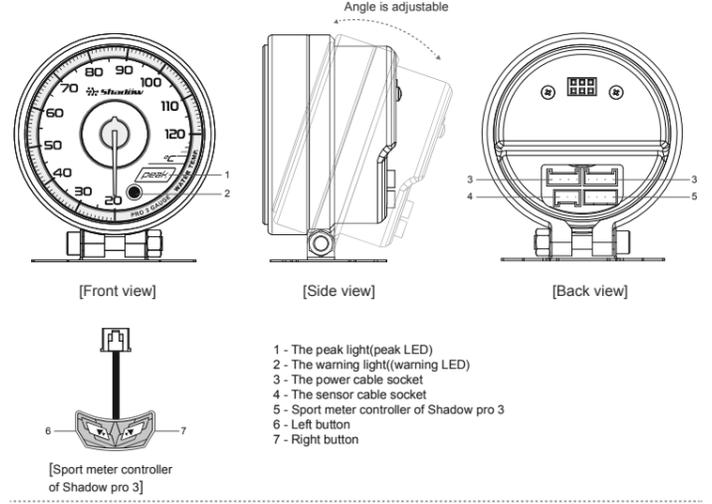
- The damage or unexpected result due to incorrect installation is out of the liability of our warranty, such as reversed connection of the electrode poles or damaged with abnormal usage. Any loss of personal or property due to incorrect usage is out of our liability of responsibility or compensation.
- Never work in a poor air ventilation space. It may cause carbon monoxide poisoning or explosion and injure.
- Please turn off engine at first, then release the negative pole of battery before installation. That can prevent short circuit, catching fire and other parts damaged.
- Don't damage the outer rubber of the electric cables. The broken cables may cause fire due to short circuit, poor contact ect.
- To pull the harness while driving is very dangerous and might make short circuit.
- To operate this product while driving might cause car accident because of absent-minded.
- Please consult the dealer or professionals before installation if unfamiliar with the cabling method, or you could delegate the installation to the workshop or professionals directly.
- This product is designed for 12V DC vehicles only, it won't work in other vehicle.
- Please connect the harness firmly. Please seal the soldered joint with insulation tape and make sure no soldered joint exposed without sealing.
- Never rework, disassemble and modify this product.
- Never install at the place with high temperature or humidity. Malfunction could be encountered under these environments.
- Please wait for a few minutes after pasting the double-sided tape on the meter to ensure the adhesion is firmed enough in case of slipping.

PRODUCT FEATURE

- The zero-friction super high speed brushless motor makes the incator silently and acurately run to a ultra high speed of 1200 rad/s.
- The American major manufacturer made chip, precisely collects every information and quickly motivate the indcator to reflect the real-time vehicle status
- Our auto grade turbo pressure sensor has the German standard long life and acurate quilities in oil and temperature resistances.
- The boutique like appearance is built with the innovative hidden gauge holder which is perfectly integrated inside the aluminum frame, and with the precisely diamond cut edge.
- The boutique like appearance is built with the innovative hidden gauge holder which is perfectly integrated inside the aluminum frame, and with the precisely diamond cut edge.
- Based on the OE factory made gauge, we add 12LEDs with dual-color LED backlight module to the major scale to make it much clearer and much easier to read.
- There are 12 levels adjustment in brightness. The intensity of lihgt will decrease automatically while the samll lamps are turned on. No glaring for you while driving at night.
- All sensor connectors are equipped with water and weather resistant desgins. No worry for severe weather.
- The gauge runs self diagnostic program function while the system is switched on and off and while the sensor is disconnected. It also contains a warning setup function.
- The in-series power connected function for time saving of additional gauge install.

PRODUCT DESCRIPTION

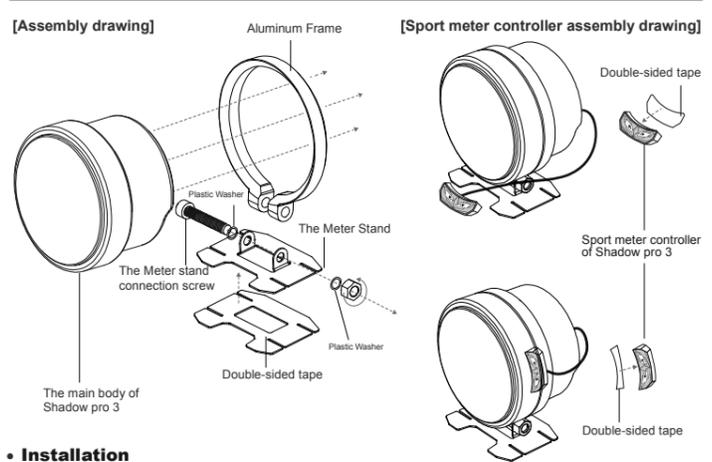
Technical information	Defaukt voltage	Default current	Default Stand by current
	10-18 volts	70-140mA	11mA



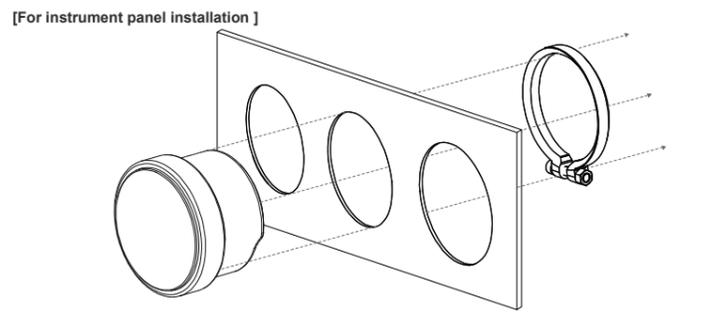
The dimensions of the racing meter (unit:mm)

	52MM	60MM
A	∅ 52	A ∅ 60
B	∅ 58.8	B ∅ 65
C	66.8	C 74
D	52	D 60
E	20	E 21
F	18	F 18.5
G	25°	G 25°
H	25°	H 25°

INSTALLATION INSTRUCTION

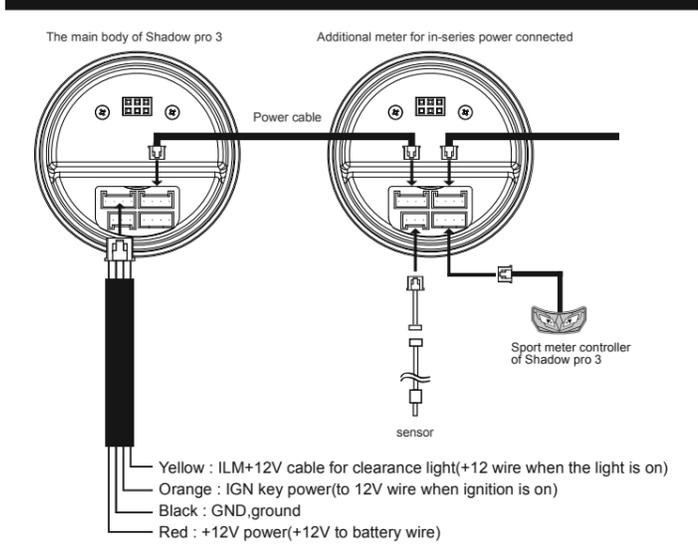


- Installation**
choose the position where you want to install the meter, please confirm that the drive's sight will not be hinderer especially multiple sets of products at the same time, pull the electric wires along the route of shortest distance to the planned installation position of the meter.
- Clean the area where the meter will be mounted**
Keep the installation area dry and clean. use the proper detergent(for example, alcohol or silicon ester remover) to remove all grease and dirt. Remove all grease and dirt on the meter and the installation area.
- Mounting and fixing the meter**
take down the protective film on the double-sided tape and paste the meter stand carefully to the scheduled installation spot. please avoid tearing the double-sidetape repeatedly, it will reduce its adhesion.



- Locate the gauge in the suitable hole on the panel. Then install the aluminum frame on the back side of the gauge. Once the screw is fastened on the frame the installation is completed.

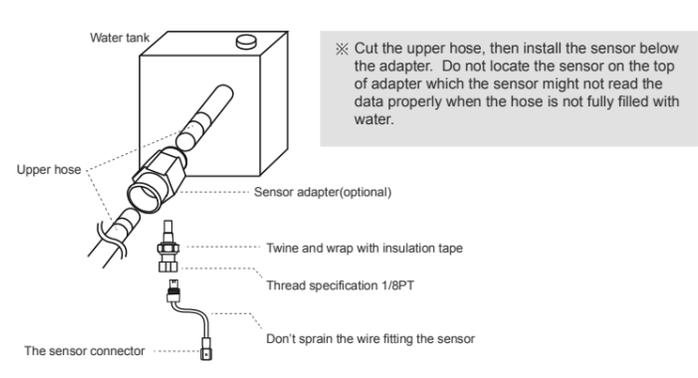
CABLING METHOD



PRODUCT DESCRIPTION

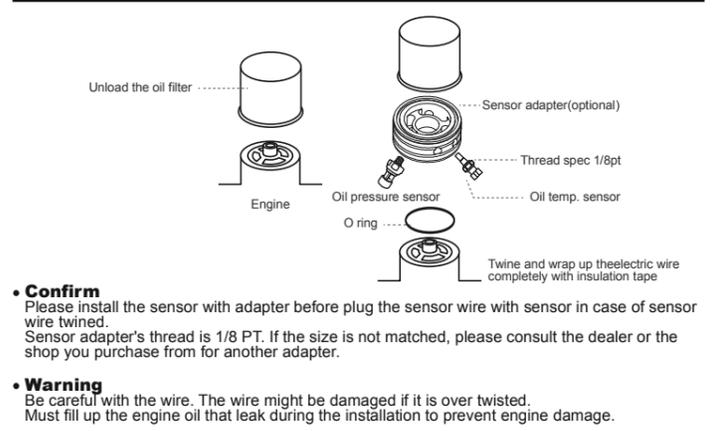
Mode	Instruction	Description
Light color switch	Press the left and right buttons at the same time.	Two colors are available for back light choice.
Brightness adjustment	Push left button for brightness adjustment. It's a circle for 6 different brightness level for two colors.	There are night light and day light modes available for set up. Each mode has 6 level's brightness for each color. When the car's light system is on the gauge will switch to night light mode automatically.
Peak data record	Show the peak Press the right button the pointer will show the peak value or the lowest value. Press the right button again to go back to normal mode. * Gauge will return to normal mode when there's no button pressed for 5 sec. Clear the peak value Press the right button to get the peak value. Then press the left button to clean the record value.	Peak data record shows the highest or the lowest value that gauge record during the trip.
Warning value setup	Press the left button to decrease the value. Increasing the speed by pressing and hold the button. ① Press and hold for 3 sec ② Press the right button to add the value. Increasing the speed by pressing and hold the button. Warning value setup Press and hold the right button for 3 sec to get in the setup mode. Once you get in the setup mode the pointer will locate at the current warning value with warning flash. Adjust the value by pressing the right or left button. Leave the gauge still for 5 sec once you locate your desired warning value.	It will have beep sound once the value surpass or below the set value.

THE INSTALLATION OF WATER TEMPERATURE METER SENSOR

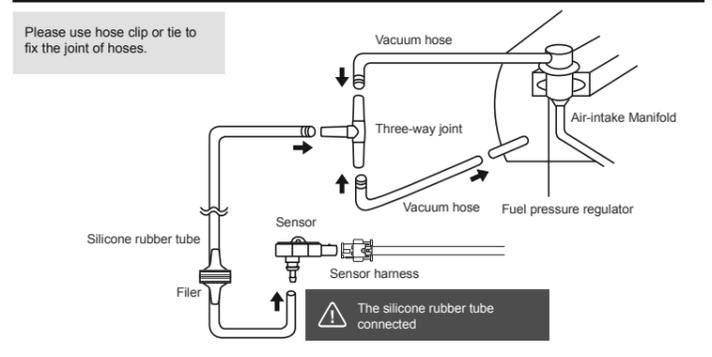


- Confirm**
Please install the sensor with adapter before plug the sensor wire with sensor in case of sensor wire twined. Sensor adapter's thread is 1/8 PT. If the size is not matched, please consult the dealer or the shop you purchase from for another adapter.
- Warning**
Be careful with the wire. The wire might be damaged if it is over twisted. Must fill up the engine oil that leak during the installation to prevent engine damage.

THE INSTALLATION OF OIL TEMPERATURE PRESS. METER SENSOR.



THE INSTALLATION OF BOOST METER

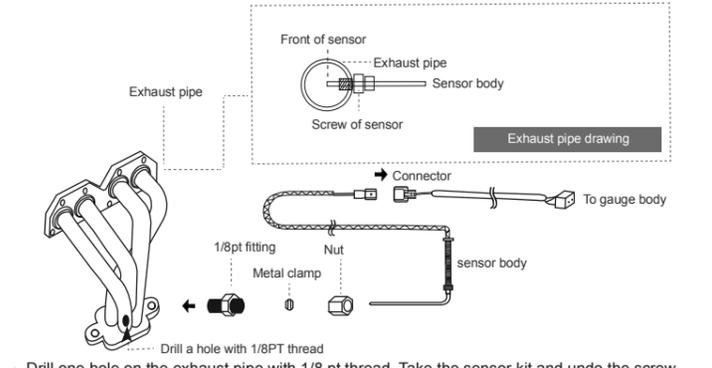


- Connect the silicone rubber tube with boost sensor in shortest distance as possible for receiving proper information for sensor.
- Install the sensor properly in the engine room and avoid the location with high temperature and vibration.
- Intake pressure is measured from the space between the intake manifold and fuel pressure regulator.
- Cut the vacuum hose extended from the intake manifolds, then connect the vacuum hose to the three-way joint, to connect vacuum hose and the silicone rubber hose if necessary. Use the rest silicone rubber hose to connect the sensor and three-way joint. If the bore of hose is not matched with the intake manifold, use the rest vacuum hose to connect.

IMPORTANT

Warning! Connect the joints of silicone rubber hose by hose clip or ties. Make sure all the connected hose are well tighten. The engine might be damaged if the silicone rubber hose disconnect while driving.

THE INSTALLATION OF EXHAUST TEMPERATURE METER



- Drill one hole on the exhaust pipe with 1/8 pt thread. Take the sensor kit and undo the screw and nut. Install the 1/8pt fitting on the drilled hole.
- Then insert the sensor body through the nut, metal clamp and drilled hole. Make sure sensor's top is locate in the center inside the pipe. Screw it tight once the sensor is at correct location.

IMPORTANT

Warning! MUST clean all the burr, chip and scrap in the pipe after drilling the hole, otherwise the burr might be vacuumed into the booster to damage the engine.

Shadow Sports Meter
Professional 3 - 52MM / 60MM Instruction Manual

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