

Installation Manual - EGT Gauge

1. Installation location of the sensor

The best measuring point for the exhaust gas temperature is in the exhaust casing of the turbocharger (in turbo engines) or in the manifold at the last (the injection row after) cylinder.

For turbo vehicles:

- Measuring point in the exhaust housing (exact measurement)
- Measuring point in the manifold (about 50°C above the exhaust turbine)
- temperature - different for long pipe headers)
- Measuring point in the downpipe (directly behind the turbo - approx. 50°C less)

The further away the measuring point is from the turbo, the less accurate the measurements become. To monitor the exhaust gas temperatures, the choice of the simplest point is sufficient. For a vote, however, the measuring point should sit in the manifold or turbocharger!

The weld-in socket in our kit has a thread M8x1.

You can cut a thread at the appropriate point or weld in the stainless steel sleeve. The thread variant is recommended for cast iron or in the turbocharger housing, since welding is rarely successful with cast iron!

2. Insert probe

Once the weld-in socket has been inserted, insert the sensor into the socket. The tip of the probe is the measuring point. Thus, this should preferably sit in the middle. Make sure that the plug is in the coolest possible point in the engine compartment, despite its high temperature rating.

Tighten the union nut of the sleeve! It is recommended not to unscrew the nut. The sensor may not be reused. The probe can be bent easily. It is not recommended!

3. Location Display

Find a suitable location for the display element. Please make sure that the display is strongly lit (partially fades in the dark) and in case should be switched off.

Unlike racing cars, it is often not necessary to constantly look at the display on vehicles used in normal road traffic.



In our test vehicle, the display is installed behind a flap. But even the use of a simple 12V on-off switch is conceivable.

4. Wire length

Check if the supplied 2m silicone cables from the display to the probe are sufficient. If you need longer connection cables, you can order any length from us.

5. Cable connection socket

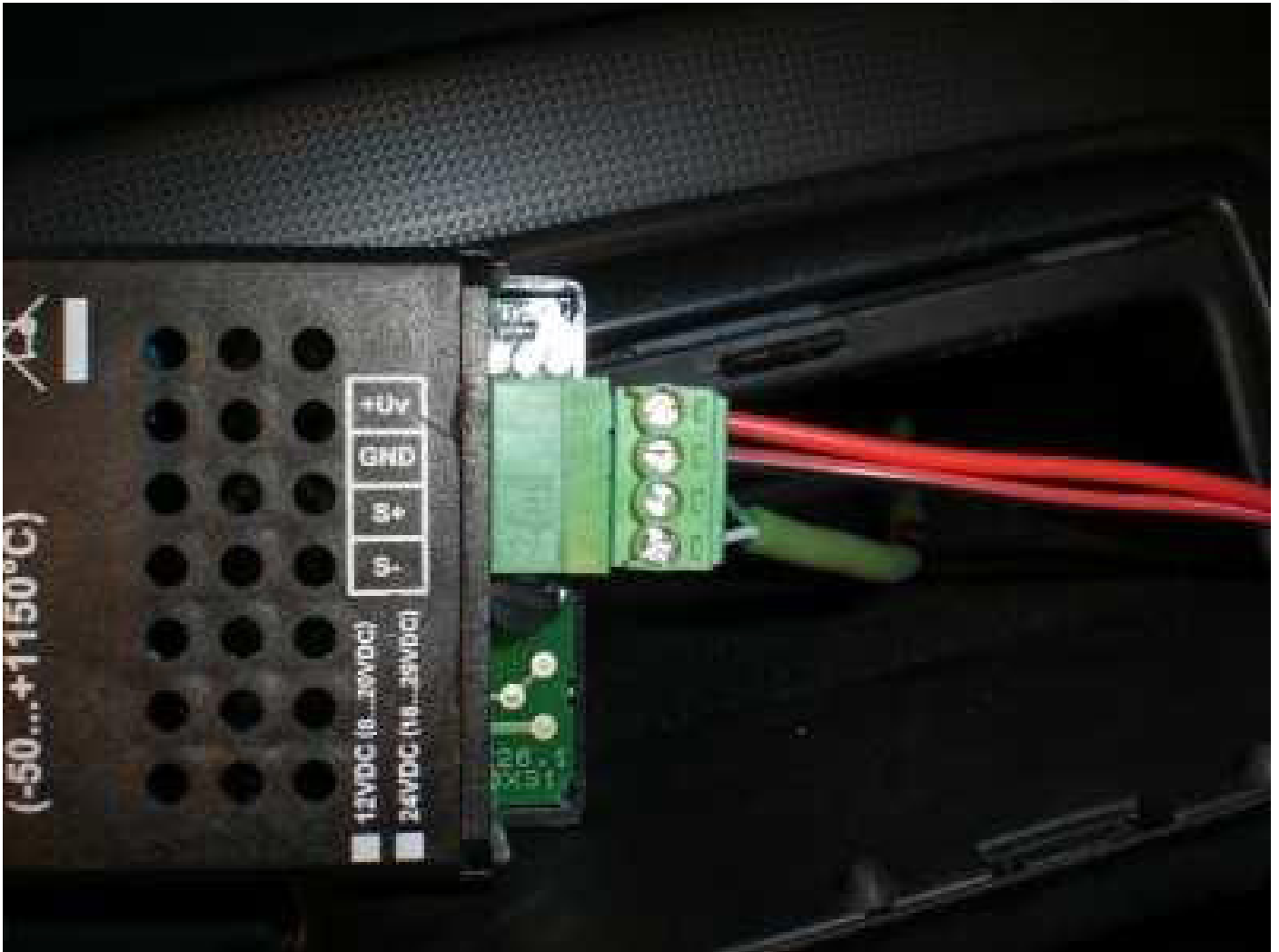
Open the socket with a suitable screwdriver. Loosen the compression fittings and install the cables as follows:



- K) big contact = white cable
- (+) small contact = green cable

6. Connections Display

On the display, connect the contacts as follows:



- (+Uv) = Ignition
- (GND) = Ground
- (S+)=Sensorsignal + (green cable)
- (S-)=Sensorsignal - (white cable)

Please remove the plug to screw the cables to avoid breaks at the solder joints!

7. Start

When the power is on, the display must now show a temperature. If that does not happen we have listed errors in point 8.

8. Troubleshooting

Display 1 - No signal or wrong polarity of the sensor lines

Display off - No power supply or wrong polarization of the cables

9. Accessories and other products

- Temperature sensor
- Socket for temperature sensor
- compression fitting
- Silicone sensor wire
- Display individually

For supercharged or turbo engines we recommend our air intake temperature display with various sensor mountings for easy installation.

10. Disclaimer

It applies the product liability law.

In case of slightly negligent breach of these contractual obligations, we are only liable for the contractually typical, foreseeable damage, unless it concerns claims for damages due to injury to life, limb or health.