

T&T Display units, electrical (voltmeter, temperature gauge, oil pressure gauge)

diam. 48 mm, Order no. 10036507 | 10036508 | 10036509 | 10036510

Dear Customer,

Congratulations on choosing this excellent T&T instrument. If you do not have adequate knowledge of vehicle electrics, you should have the instrument installed by a professional.

1. Safety instructions

Make sure the battery is disconnected before and during installation of the instrument! The electrical cables can be run through existing wiring looms. However, do not route the cables parallel to ignition cables or other leads supplying large devices. Secure the cables with cable ties or adhesive tape.

Other important things to remember when routing the cables:

- Do not run cables over moving or hot parts
- Protect cables with sheathing
- Provide the cables with additional protection (rubber grommet or something similar) at feed-throughs
- Make sure that cables are not squashed, put under strain or subjected to shearing forces (e.g. check the cables with the handlebar at full left and right lock, and also allow for suspension travel)
- Strip cables with an insulation stripper, taking care not to damage the wire
- Always use a crimping tool for crimp connections
- Always insulate exposed wires (to avoid short-circuits)

After all electrical work, always check the cables and connections again for short-circuits. Short-circuits in the electrical system can cause cable fires, battery explosions and damage to other electrical systems. Incorrect connections can also lead to short-circuits.

Use suitable tools for installing the instrument. Please follow the tool manufacturer's safety instructions.

2. In the box

- 1 display unit
- 5 tab receptacles 6.3 (only 4 for voltmeter)

3. Specifications

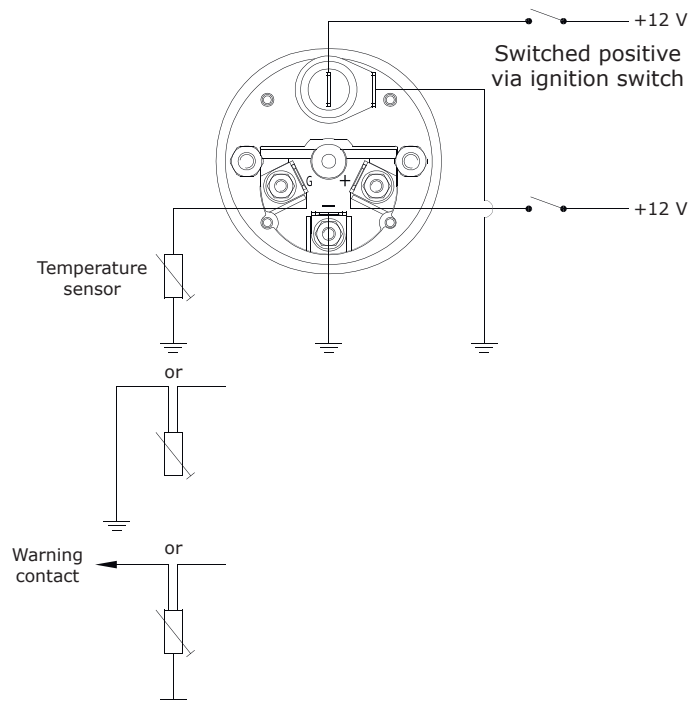
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|--------------------|--|
| Operating voltage: | 12 V |
| Power consumption: | approx. 40 mA max. (voltmeter approx. 100 mA) |
| Dimensions: | diam.: 48 mm height: approx. 46 mm |
| Weight: | approx. 100 g - 150 g, depending on the instrument |
| Illumination: | Bulb J 12 V/2 W DIN 72601 with holder Ba7s |

4. Electrical connection

Important: Before doing any work on your motorcycle's electrical system, make sure that the ignition is off and the battery disconnected. (Danger of short-circuit). Please follow the safety instructions given under section 1 above.

Connection of the instrument is shown in the schematic diagram. You should also observe the installation instructions supplied with your sensor. Only use T&T, MMB or VDO temperature sensors. In the case of voltmeters, the sensor connection is not required, i.e. only positive and negative are connected. The plug-in connections on the instrument are 6.3-mm tab terminals. Only use fully insulated tab receptacles, as supplied. For the connecting cable, please use stranded hook-up wire with PVC insulation and a conductor cross-section of approx. 0.5 mm² to 1 mm².

Schematic diagram



The two terminals of the bulb for the lights are routed to the outside and must be connected according to the design of the particular motorcycle. Reconnect the battery before starting the motorcycle.

5. Installing the instrument

A cut-out with diam. = 48.5 + 0.5 mm must be made in the instrument panel. The installation bracket (available separately - Order no. 10036610) is designed for a clamping height of approx. 0.5 - 2 mm. If a greater clamping height is required, pull the two rectangular caps off the bracket, shorten the legs accordingly (ensure they are the same length) and deburr. The bracket is fixed with knurled nuts. Tighten the two knurled nuts hand-tight.

Installation on the handlebar is possible with the following accessories, which are available separately:

- CNC handlebar mount (Order no. 10034888, black or Order no. 10034887, chrome)
- Mounting kit (Order no. 10036607)

6. Disposal of old instrument

Instruments that are no longer serviceable should be disposed of at an authorised recycling centre.

7. Disclaimer

Our instruments are manufactured with great care and they conform to the applicable DIN standards. The instrument must not be opened. We do not accept any liability for damage caused by improper use or incorrect installation. Bulbs are wearing parts and are not covered by the warranty.

If you have any questions about the product or these instructions, please contact our Technical Centre by fax on 00 49 (0)40 734 193-58 or by e-mail at: technikcenter@louis.de before you install or use the product. We will then be able to resolve your questions quickly. This is the best way to ensure that your product is installed properly and used correctly.

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