



Motoscope Tiny

The Motoscope Tiny is a very compact, analogue 49 mm speedometer. The speed is digitally measured and precisely displayed via stepping motor and indicator. The installation diameter of 49 mm and the installation depth of only 24 mm provide various installation options. The sophisticated technology provides for a classic look without compromise. The dial completely does without display sections or LCD and has a convincing classical look. The ideal solution for purists and minimalists. The high quality aluminium casing is turned from solid metal and its surface is anodized black. The bezel is also available in 'anodized black' or 'mirror polished'. The casing is 100% water-tight and resistant to vibrations. There is a special matching Streamline Cup available for the mst Tiny.

mst Speedster

The mst Speedster is a small, analogue speedometer with appealing vintage design. The dial is based on the streamline designs of the 40's and 50's. The colour is a matching 'warmer' white. The indicator shape is matched to the design of the dial and made from brushed stainless steel. There is a bezel in either 'polished finish' or 'anodized black' available. There is a special matching Streamline Cup available for the mst Speedster

mst Vintage with Brass Bezel

The mst Vintage is a small, analogue speedometer with a brass bezel in an appealing 'old school' look. The design is different, but technically it is identical to the Motoscope Tiny. The dial is based on the streamline design of the 40's and 50's. Additionally, it features a yellowed and cracky surface giving the dial its extremely aged look. The bezel and indicator are made from solid brass and have been manually coated with patina. The created patterns and signs of aging vary with each instrument and give it an individual and unique look. There is a special matching Streamline Cup available for the mst Vintage - made from solid brass with a patina.

Dial and display

The analogue dial in contrasting black and white is indirectly illuminated by white LEDs. The innovative LED display is hidden behind the black part of the dial and only visible through the dial while operating, not when switched off! The LED luminosity is automatically adjusted to achieve optimal readability in dark, sunlight and dawn conditions. If the speed exceeds the 200 km/h on the analogue scale, it is automatically displayed in the LED display. The maximum speed is recorded as well. The 4 indicator lights (blue, red and 2 x green) are also integrated into the dial. These lights are only visible when operated, too.

Operation

You can toggle between the different informations on the LED display by operating the supplied menu push-button or e.g. the headlight flasher push-button on the handle bar. Default value on the display is the time. If needed, a short actuation of the push-button will display the values of total distance, day trip, on-board voltage etc. All functions are easy to operate with the push-button, e.g. day trip, reset or the like. Default settings or recorded values are of course stored even with the power supply switched off.

Connection and sensors

The detailed installation and operating instructions (refer to "Downloads") help with the connection of instrument even for users without any previous experience in handling the vehicle's electrical system. The supplied speedometer sensor in stainless steel is very small (M5/23 mm) and therefore easy to hide. The sensor can be easily installed on front or rear wheel with the connector cable (1.5 m long). This allows for the easy conversion of an originally mechanical speedometer drive on a motorbike.

The Motoscope Tiny is compatible with various original speedometer sensors (dry reed contact and proximity sensors) of the motorbike manufacturers. In this case, the terminals have to be connected only and the mechanical sensor installation will be completely obsolete. An intelligent 'Teach Function' allows for the easy calibration of the speedometer - even on vehicles with transmission sensors, e.g. Harley Davidson (TM).

Parts delivered

Instrument with approx. 75 cm connector cable, mini push-button, 2 removable fuses, 9 cable end connectors, speedometer sensor (M5 x 0,5 fine-pitch thread, stainless steel, IP 68) with 150 cm connector cable, 2 powerful neodymium mini magnets, 2 mounting screws M3 with washer, 2 diodes for pairing of turn signals, detailed installation and operating instructions.

Specifications and Features

- Mounting diameter: 49 mm.
- Weight: approx. 96 g.
- Mount: 2 x M3 threaded hole.
- Power consumption, operating: Approx. 200 mA (load dependent).
- Operating voltage: 9V - 15V.
- Operating temperature: -20... +80 °C.

Feature and measuring range

- Speedometer, analogue (indicator): 0 – 200 km/h or mi/h.
- Speedometer, numeric (LED display): 200 – 999 km/h or mi/h.
- Max. speed: 0 – 999 km/h or mi/h.
- On-board voltage: 9 – 15V.
- Clock: 00:00 – 23:59.
- Trip meter: 0 – 999.9 km or mi.
- Total distance (adjustable): 99999 km or mi max.
- Indicator lights: Turn signal, high beam, neutral, hazard light.





Motogadget Tiny Speedometer Cup

mst Streamline Cup

The mst Streamline Cup is used for mounting all tiny series analogue speedometers on the handle bar.

The intended use of these stylish brackets is the mounting of all 49 mm instruments of the tiny series to handle bars with a diameter of 22 mm and/or 1 in. The cups are completely turned and machined from solid aluminium. The mounting clamp is precisely laser-cut from aluminium and shaped and is used for an easy but secure mounting on the handle bar. All mounting screws are stainless steel.

Diameter 56 mm, length 60 mm

Parts no. 60,5005010 22mm, Black 260 and 60,5005015 22mm, Polished 290

Parts no. 60,5005020 1", Black 260 and 60,5005025 1", Polished 290

mst Vintage Cup

The mst Vintage Cup is used for mounting of the mst vintage on 22 mm and 1 in. handlebars. Brass cup for the tiny series, especially the mst vintage - lavishly turned/machined from solid metal. 'Used look' to match with the Vintage instrument. Each cup is unique due to the manually coated patina.

Secure mounting on 22 mm handle bars with polished handlebar clamp. The real 'eye catcher' for every custombike.

Diameter 56 mm, length 60 mm

Parts no. 60,5005017 22mm, Brass and 60,5005027 1", Brass



Motogadget Tiny Speedometer brackets

Mounting Bracket mst A

The mounting bracket mst A is used for mounting of all tiny series speedometers. The bracket can be cut and drilled, as required.

Length 133 mm, width 53 mm

Parts no. 60,5003010 Black and 60,5003030 Polished

Outer Cup

The optional outer cup mst A is used for mounting of the tiny series speedometers. Please order separately. It is flush with the instrument bezel and the outside edge of the mounting bracket mst A. It is also possible to use it for wedge-mounting of the speedometer e.g. to a mounting bracket with 49 mm opening.

Parts no. 60,5002010 Black and 60,500203 Polished

mst Weld-in Cup

The mst weld-in cup, in stainless steel, for facilitated embedding of the tiny series into the tank or welding it e.g. to the handlebar.

Parts no. 60,5003035 Stainless