



Motogadget Motoscope Classic/Chronoclassic Tacho

Motoscope Classic Tacho

Motoscope Classic and Chronoclassic are multi-purpose gauges with a wide range of functions in a single instrument.

The analog tachometer face shapes the design in the style of Italian and British classics.

The Motoscope Classic Tacho from motogadget is a digital multi-purpose instrument with a classic round casing. A white dial and a red indicator driven by a precision stepper motor comprise the analogue rev counter. The LC display and four indicator LEDs display the numerous features exactly and reliably. The design goes well with every type of mod or original machine - regardless if real classic, youngtimer, custom or sports bike. The motoscope classic is equally suited for sports or kit cars. High end materials, assembly by hand and our scrupulous quality control provide the highest possible quality in functionality and looks.

Motogadget Chronoclassic 8k Tacho

The Motogadget Chronoclassic Tacho is a digital multi-purpose instrument in a classic round casing. Technically identical to the motoscope classic, it brandishes a black dial and a white indicator. The design resembles old Smiths brand instruments. Another distinct characteristic is the dark LC display of the DarkEdition. It further increases the harmonic look of the gauge. Please note: We explicitly stress that readability decreases in cases of direct sunlight. If readability is of primary concern to you, please purchase the standard green display. A technically identical instrument is also available with an analogue speedometer (please refer to the CLASSIC series).

The casing

The high quality aluminium casing is turned and machined from the block with CNC technology. The surface is brushed first and later anodized in black or natural aluminium. The casing is 100% water-tight. The viewing glass is made from scratch-proof special plastic. The widely used 80-mm-dimensions allow for easy replacement of the original instruments.

Analogue dial with indicator and the LC display

The readability of the engine speed is optimal due to the red indicator on the white dial. The innovative, completely illuminated background surface is used to the fullest possible extent. A precise and vibration free rev counter display by the stepper motor driven indicator is achieved by a fully adjustable gear ratio and a dampened indicator. The LC display stays readable and illuminated even if in direct sunlight. Four ultra bright indicator LEDs complete the instrument. The red LED acts as warning light when reaching the set threshold for rpm, temperatures (min./max.), pressure readings (min./max.), vehicle voltage and the oil pressure switch or similar connected transmitting devices. Different warnings are easily distinguished by different blinking patterns or continuous lighting.

Operation

Display pages of the LCD display are swapped via the menu and headlight flasher push-buttons. The first line always indicates speed. Additional measurements can be displayed if needed by pushing a button. Default settings or saved values will of course be preserved in the memory even if the power is cut.

Sensors and connection

The connector cable is approx. 55 cm long and the connectors are already pre-installed on the instrument side. Matching counter parts for the vehicle side are included. The engine speed measurement input is easily connected to the ignition coil or ignition box.

The included stainless steel speedometer sensor is small (M5/22 mm) and effortlessly connected to the front or rear wheel by the 1.5 m connector cable. We provide appropriate sensors for optimal measurements of air, oil and water temperature as well as oil pressure (refer to "Accessories").

Parts delivered

Instrument with approx. 55 cm connector cable, complete wiring, fuse, speedometer sensor (M5) with 150 cm connector cable, 2x magnet, mini push-button, 3x M4 screw (VA), detailed installation and operating instructions. Please note that temperature and pressure sensors have to be ordered separately (refer to "Accessories").

Specifications and Features

- Mounting diameter: 80 mm.
- Total diameter (bezel): 85 mm.
- Depth without cable fitting: 34 mm.
- Weight: approx. 230 g.
- Mount: 3 x M4 threaded hole.
- Power consumption, operating: approx. 200 mA (load dependent).
- Power consumption, standby: 0 mA.
- Operating voltage: 9V - 18V.
- Operating temperature: -20... +80 °C.

Feature/Measuring range

- Rev counter (analogue/indicator): 0 - 8, 10, 14 krpm.
- Speedometer (LCD): 0 - 350 km/h or mi/h.
- Trip meter: 999 km or mi max.
- Total distance (adjustable): 250000 km or mi max.
- Journey time display: 0 - 99:99:99 h/min/s.
- Rev counter (on LCD): 0 - 20000 rpm.
- RPM threshold warning, adjustable (int. LED and ext. gear shift flash): 0 - 20000 rpm.
- On-board voltage display: 9V - 18V.

NEW! Low voltage warning: LED blinks if on-board voltage drops below approx. 11V - replacement for battery charge status light. (Continued on next page).





Feature/Measuring range (Continued from previous page).

- Air temperature* (optional instead of water temp.): -20 - 80 °C / -4 - 176 °F with high-/low warning
- Water temperature* (optional instead of air temp.): 40 - 120 °C / 104 - 248 °F with high-/low warning
- Oil temperature*: 40 - 160 °C / 104 - 320 °F with high-/low warning
- Oil pressure*: 0 - 8 bar / 0 - 116 psi with high-/low warning
- Timekeeping 0 - 100 km/h or 0 - 60 mi/h: 0.0 – 99.9 s
- Current acceleration: (-20.0) – 20.0 m/s²
- Average speed: 0 – 350 km/h or mi/h
- Max. speed: 0 – 350 km/h or mi/h
- Max. rpm: 0 – 20000 rpm
- Max. positive acceleration: 0 – 20.0 m/s²
- Max. negative acceleration: 0 – (-20.0) m/s²
- Gear indicator: N, gear 1 - 6
- Green indicator LED: Neutral (N)
- Yellow indicator LED: Turn signal left, right
- Blue indicator LED: High beam
- Red indicator LED: Different warning features external (e. g. oil pressure switch), internal (rpm, temperature, pressure, voltage)
- Output external gear shift flash light: Switched power 1.4 A max.

Motoscope Classic Tacho

Parts no. 75,2003049 Black anodized/Black ring - 75,2003045 Black anodized/Polished ring

Motogadget Chronoclassic Tacho

Parts no. 75,2004058 Black LCD/Black anodized/Black ring - 75,2004059 Black LCD/Black anodized/Polished
 Parts no. 75,2004048 Green LCD/Black anodized/Black ring - 75,2004049 Green LCD/Black anodized/Polished



Motogadget Motoscope Classic/Chronoclassic Brackets

The msc Streamline-Cup for 1-inch handle bars is suited for mounting all instruments from the Classic series. Available in mirror polish or anodized in black.
 Parts no. 60,2008046 Black anodized - 60,2008045 Polished

The msc Custom series mounting bracket is designed for mounting the Classic series to custom and Harley Davidson.
 Parts no. 60,2008065 Black anodized

The optional outer cup msc A is used for mounting of the classic series speedometers. Available in mirror polish or anodized in black.
 Parts no. 60,2008010 Black anodized - 60,2008030 Polished

The msc A mounting bracket is designed for mounting all the Classic series instruments.
 Parts no. 60,2008050 Black anodized

The msc B mounting bracket is designed for mounting all Classic series instruments. Universal aluminium mounting bracket, brushed and anodized.
 Parts no. 60,2008055 Black anodized - 60,2008056 Silber anodized

The msc C mounting bracket is designed for mounting all Classic series instruments.
 Parts no. 60,2008060 Black anodized

The optional mounting bracket msc fits the classic series speedometers.
 Parts no. 60,2008040 Stainless

