



## Motogadget Motoscope Classic/Chronoclassic Speedo

### Motoscope Classic Speedo

The Motoscope Classic Speedo from motogadget is an analogue speedometer with many additional digital features in a classic round casing. A white dial and a red indicator driven by a precision stepper motor comprise the analogue rev counter. A LC display and four indicator LEDs indicate the additional features accurately and reliably. This compact instrument creates new possibilities in vehicle design. 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. Technically identical to the Motogadget Chronoclassic Speedo, it brandishes a black dial and a white indicator.

### Motogadget Chronoclassic Speedo

The Motogadget Chronoclassic Speedo is an analogue speedometer with many additional features in a classic round casing. Technically identical to the Motoscope Classic Speedo, it brandishes a white dial and a red indicator. The design resembles old Smiths brand instruments. A technically identical instrument with a black LCD is also available.

### The casing

The high quality aluminium casing is turned and machined from the block by 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 speed is optimal due to the red indicator on the white dial. The innovative background illumination achieves maximum usage of the dial area. The readability and illumination of the LC display remains outstanding, even in cases of 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 distinguishable due to different blinking patterns or continuous lighting.

### Operation

Display pages of the LCD display are swapped via the menu and headlight flasher push-buttons. Different measurement readings can be displayed if needed by the push of a button. Default settings or saved values will of course be preserved in the memory even if the power is cut.

### Mounting

The widely used mounting diameter provides instrument adaptivity to many vehicle platforms. We provide for optional mounting parts. The connector cable is approx. 55 cm in length 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 is 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.

### Parts delivered

Instrument with approx. 55 cm connector cable, complete wiring, fuse, speedometer sensor M5 x 0.5 fine-pitch thread with 150 cm connector cable, 2x magnet, mini push-button, 3x M4 screw (stainless steel), detailed installation and operating instructions. Please note that temperature and pressure sensors have to be ordered separately.

### Specifications

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

### Feature/Measuring range

- Speedometer (analogue, indicator): 0 – 200 km/h or mi/h, on top on LCD.
- 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, adjustable (int. LED and ext. gear shift flash): 0 – 20000 rpm.
- On-board voltage display: 9 V – 18 V.

NEW! Low voltage warning. LED blinks if on-board voltage drops below approx. 11 V - 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 – 99.9s.
- Current acceleration: (-20.0) – 20.0 m/s<sup>2</sup>.
- Average speed: 0 – 350 km/h or mi/h.
- Max. speed: 0 – 350 km/h or mi/h.
- Max. rpm: 0 – 20.000 rpm.
- Max. positive acceleration: 0 – 20.0 m/s<sup>2</sup>.
- Max. negative acceleration: 0 – (-20.0) m/s<sup>2</sup>.
- 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 functions external (e. g. oil pressure switch), internal (rpm, temperature, pressure, voltage).
- Output external gear shift flash light.

**Motoscope Classic Speedo**

Parts no. 75,2003080 Black anodized/Black ring - 75,2003079 Black anodized/Polished ring

**Motogadget Chronoclassic Speedo**

Parts no. 75,2004082 Black LCD/Black anodized/Black ring - 75,2004081 Black LCD/Black anodized/Polished  
 Parts no. 75,2004079 Green LCD/Black anodized/Black ring - 75,2004080 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

