

# ROMESS CM-09606



## Electronic Inclinomometer



**ROMESS ROGG • Apparate + Electronic GmbH & Co. KG**

Postfach 3506 • D 78024 VS - Schwenningen

Tel.: +49 (0) 7720-97700 • Fax: +49 (0) 7720-977025

E-Mail: [ROMESS.ROGG@T-ONLINE.DE](mailto:ROMESS.ROGG@T-ONLINE.DE)

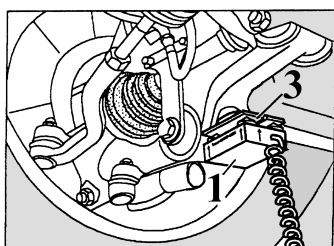
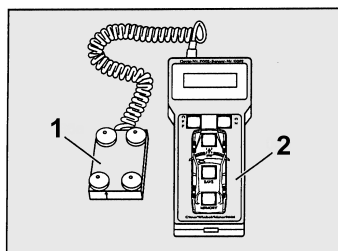
Internet: <http://www.romessrogg.de>

## Electronic Inclinometer

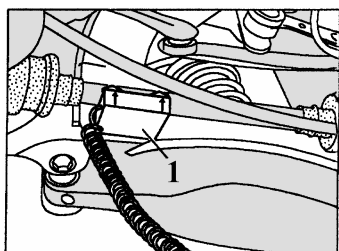
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With this instrument the vehicle level is registered via the position of the transverse links respectively the axle drive shafts or areas of support in the degree of angle. In addition to the determined angular values (in degree decimal) the reference variables can then be allocated concerning wheel camber, – caster and – toe. Upon measuring the supporting surfaces you receive the angular deviation with regard to the horizon, e.g. aligning or verifying of a wheel alignment stage.

### Measuring Procedure



wheel → sensor



sensor → wheel

### Measuring Instrument

The inclinometer ROMESS CM-09606 consists of an easy-to-operate **measuring instrument with display (2)** and an **inclinometer (1)** in form of an electronic level for 2 leveling devices and an RS 232 interface for further data processing. The contours of the inclinometer were designed for measuring the vehicle level on front axle and rear axle.

**Application direction is cable outlet on the sensor !**

### Application Example on the Front Axle

To acquire the data of the lower transverse links a simple **adaptation plate (3)** is required. By means of this adaptation plate a defined supporting surface is created for the inclinometer (1).

- Insert the adaptation plate (3) in the spring on the left lower transverse link and align it.
- Put on inclinometer (1) (indication is effected via the display of the operating device) and store the measured value. Repeat the work steps on the right lower transverse link.

### Application Example on the Rear Axle

The data of the inclination of the rear axle shafts are acquired via the conical contours of the inclinometer.

View from the vehicle middle to the left rear axle shaft.

- Put inclinometer (1) directly from underneath onto the left rear axle shaft and store the measured value.
- Repeat work step on the right rear axle shaft.

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### Technical Characteristics:

<b>Sensor</b>	Microprocessor
For measuring 2 levels	controlled
<b>Measuring range:</b>	+/-15 °
<b>Resolution:</b>	0.10°
<b>Linearity:</b>	0.035%
<b>Measuring precision:</b>	1%
<b>Temperature range:</b>	0-70° C
<b>Interface:</b>	RS-232
<b>Voltage supply:</b>	5 Volt/0,8 Watt
<b>Type of protection:</b>	IP 65
<b>Charging socket for the connector power pack:</b>	12 V about 250 mA for charging 4 x 1.2 Volt NiMH accu
<b>Scope of supply:</b>	Operating device with display, inclinometer, connector power pack, standard adapter, transport bag
<b>Dispatch dimensions:</b>	about 450x378x90 mm
<b>Weight:</b>	about 3.5 kg

<b>Order No.:</b>	
<b>Inclinometer</b>	09606-10 230 Volt / 50 Hz 09606-11 110 Volt / 60 Hz
<b>Plug mains adapter:</b>	09606-21 230 Volt / 50 Hz/12 V- 09606-23 110 Volt / 60 Hz/12 V-
<b>Standard adapte:</b>	09606-50
<b>Data transfer and charging station:</b>	09630-10 230 Volt / 50 Hz 09630-11 110 Volt / 60 Hz
<b>Plug mains adapter:</b>	09630-50 230 Volt / 50 Hz/12 V- 09630-60 110 Volt / 60 Hz/12 V-
<b>Scope of supply:</b>	Data transfer and charging station, plug mains adapter and data line 9 pole about 1.2 m long
<b>Dispatch dimensions:</b>	about 120 x 200 x 120 mm
<b>Weight:</b>	about 3.5 kg

Due to constant development of our products we reserve the right to change our products, materials, designs and specifications without any special announcement.

Inclinometer for determining the individual inclinations of suspension links, shafts and bodywork elements in motor vehicles protected by patent law EP 0 826 945.

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