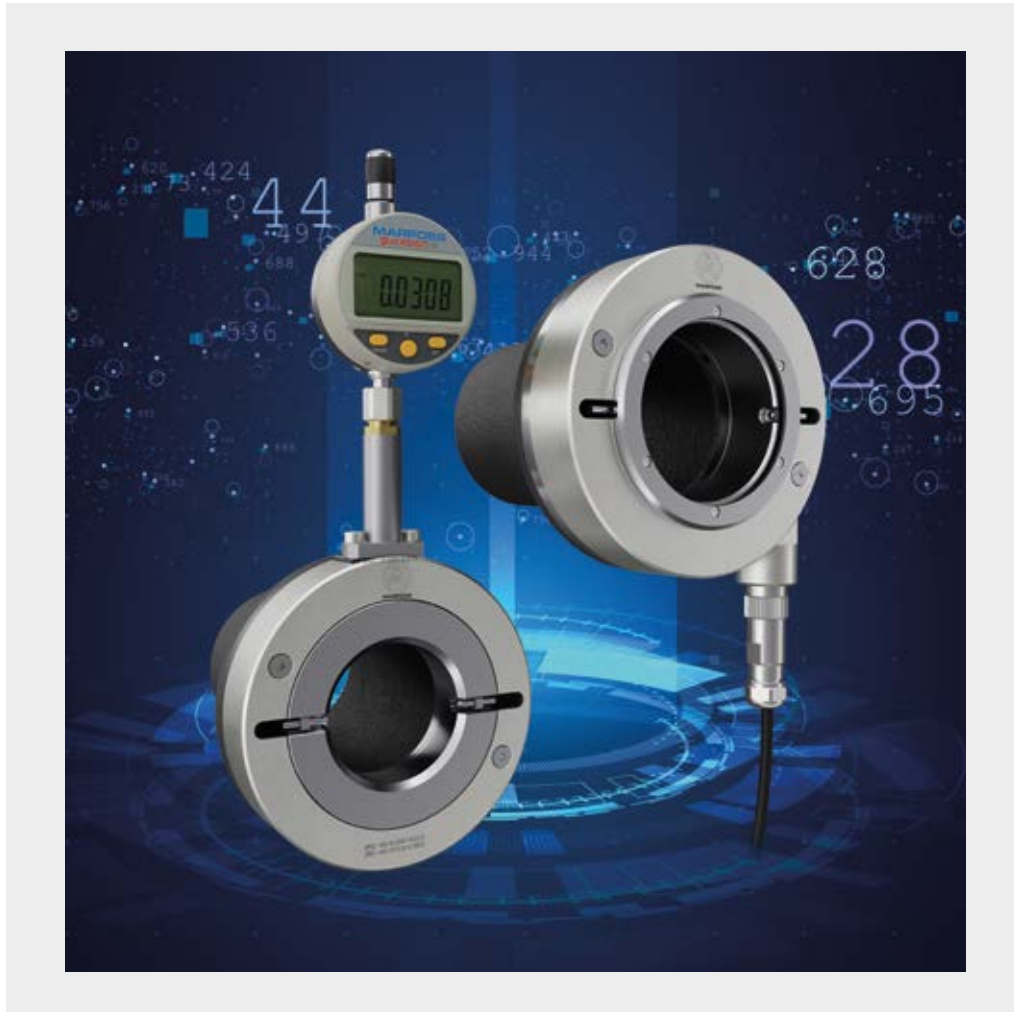


MARPOSS

M4STAR

MRG AND ERG HAND HELD GAUGES FOR OUTER DIAMETERS



Forks and ring gauges

M4 Star is a family of high performance ring gauges for measuring parts such as shafts or pins. The gauge design is perfectly through, allowing the measuring of long shafts without limitations. The high technology and attention to ergonomics make M4Star a premium choice for outside diameter measurement.

M4 Star is available as Mechanical Ring Gauge (**MRG**) or Electronic Ring Gauge (**ERG**).

Product features

Intuitive and **easy to use**, M4Star grants the **best metrological performance** on any gauging diameter. The design ensures linearity over the entire measuring range and allows zeroing with a single master. The nosepiece design ensures the measurement being independent of the operator's manual skills.

M4 Star is available as Mechanical Ring Gauge (MRG) or Electronic Ring Gauge (ERG). The first can be equipped with dial or digital indicators, while the latter suits an electronic LVDT or HBT Marposso standard transducer. M4Star ERG is available with wired or wireless connectivity.



M4STAR MRG

Measurable diameters from 5 to 125mm with an indicator.
Customizable C-dimension from 1 to 6mm which allows measurements to be taken very close to the flange.
One single comfortable handle for the smaller sizes and two small handles in the larger models.



M4STAR ERG

Integrated standard LVDT or HBT transducer.
Measurable diameters from 5mm to 125mm in the standard version.
One single comfortable handle for the smaller sizes and two small handles in the larger models.
The cable exit can be radial or axial.
Dedicated design possible: flexible and customizable, available also for diameters larger than 125mm.

TECHNICAL SPECIFICATIONS

	M4Star MRG	M4Star ERG
C quote	customizable between 1 and 6 mm	customizable between 1 and 6 mm
Repeatability (2,77σ)*	≤1 μm	≤0,5 μm
Working range	0,1mm	0,1mm

*the best performance can be achieved when measuring in the vertical direction.
When measuring ovality in the horizontal direction, the error might reach 2 μm over 360°.

OPTIONS AVAILABLE

M4Star MRG and ERG can be equipped with standard contacts, made of tungsten carbide, or DLC-coated contacts (3000 HV) for aluminum and relevant alloys. Diamond contacts are also available for C>3,5. They are suggested for soft aluminum or highly wearing applications.

Both the MRG and the ERG can be supplied stand mounted. The stand can be equipped with a slot for the pin master.

Displacement
Sensors



Bore
Gauges



Forks and
Ring Gauges



Bench
Gauges



Indicators and
Electronic
Display Units



Interface
Boxes for Data
Acquisition



Software



M4 STAR - MRG MECHANICAL RING GAUGE

Overall dimensions	Measurable diameter $5 \leq D < 60$ mm	Measurable diameter $60 \leq D < 125$ mm
MRG		

M4 STAR - ERG ELECTRONIC RING GAUGE

Overall dimensions	Measurable diameter $5 \leq D < 60$ mm	Measurable diameter $60 \leq D < 125$ mm
ERG with radial cable exit		
ERG with axial cable exit		

COMPATIBILITY WITH ELECTRONIC UNITS

M4Star with cable can be connected, through a Marposs data acquisition interface box such as Easy Box or Gage Pod, to any Marposs industrial PC or any commercial PC with Marposs software installed, as well as to E4N or Duo directly. The wireless M4Star can be connected, through its dongle, to Nemo, Merlin Line, E9066 Line or any commercial PC with Marposs software installed.



Displacement Sensors



Bore Gauges



Forks and Ring Gauges



Bench Gauges



Indicators and Electronic Display Units



Interface Boxes for Data Acquisition



Software



Application examples

Displacement
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Indicators and
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Interface
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Software

