

# M2ELECTRON

## MANUAL SNAP GAUGES



Following the technical evolution of the automotive market, Marposs has re-engineered the M2 electronic snap gauge used for inspecting crankshaft journals and pin bearings.

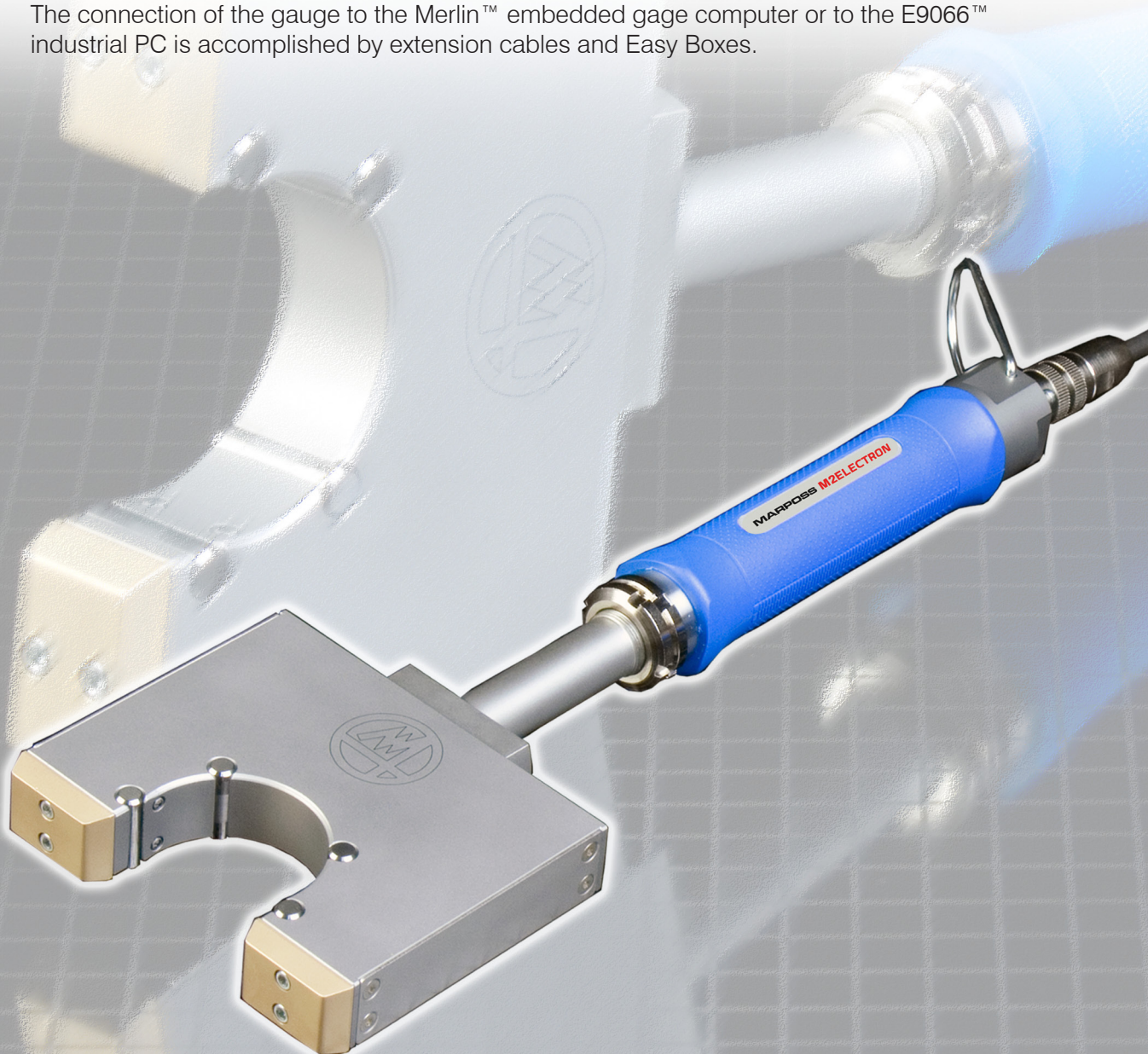
M2 is an extremely precise comparator type gauge that guarantees excellent repeatability and accuracy. Designed for industrial production and considering that no retooling is required and maintenance is minimal, the M2 fully deserves the title of "Non-stop gauge".

Special attention has been applied to four specific area's of concern:

- Gauge sturdiness by designing a single-piece body
- Ease of use thanks to a new rigid handle
- Interchangeability of wearable details
- Improvement of lead time

Also this product release can be provided with 1 to 3 measuring sections for inspecting: Diameters ranging from 18 to 120 mm, Ovality, Barrel-shape, Taper.

The connection of the gauge to the Merlin™ embedded gage computer or to the E9066™ industrial PC is accomplished by extension cables and Easy Boxes.



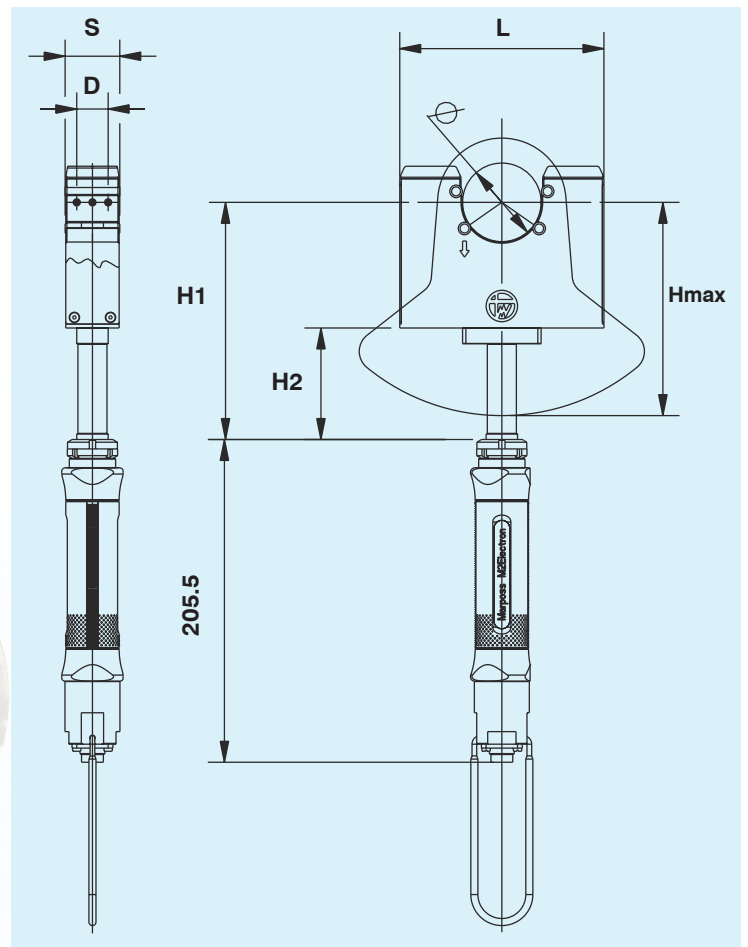


## APPLICATION RANGES (mm)

Part diameter $\Phi$	from 18 to 120
Width L	from 98 to 200
Thickness S	from 17.8 to 75
Min distance D between external measuring sections	2 sections: 5.4 mm 3 sections: 10.8 mm
H1	short version: 103 if $\phi \leq 70$ and $H_{max} \leq 98$ $103 + (\phi - 70) / 37.5 * 20$ if $\phi > 70$ and $H_{max} \leq 98 + (\phi - 70) / 37.5 * 20$ long version: 151 if $\phi \leq 70$ and $H_{max} > 98$ $151 + (\phi - 70) / 37.5 * 20$ if $\phi > 70$ and $H_{max} > 98 + (\phi - 70) / 37.5 * 20$
H2	short version: 23 long version: 71

## TECHNICAL SPECIFICATIONS

Pretravel of each cell	from 150 to 200 $\mu\text{m}$
Measuring force of each cell	from 0.4 to 0.7 N
Linearity range of each cell	$\pm 300 \mu\text{m}$
Sensitivity error	$\pm 2\%$
Repeatability error (2.776)	< MAX (10% of tolerance; 1 $\mu\text{m}$ as absolute limit)
Weight	from 1.9 to 5.4 Kg
Length of extension cables	3.95 m



For a full list of address locations, please consult the Marposs official website

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