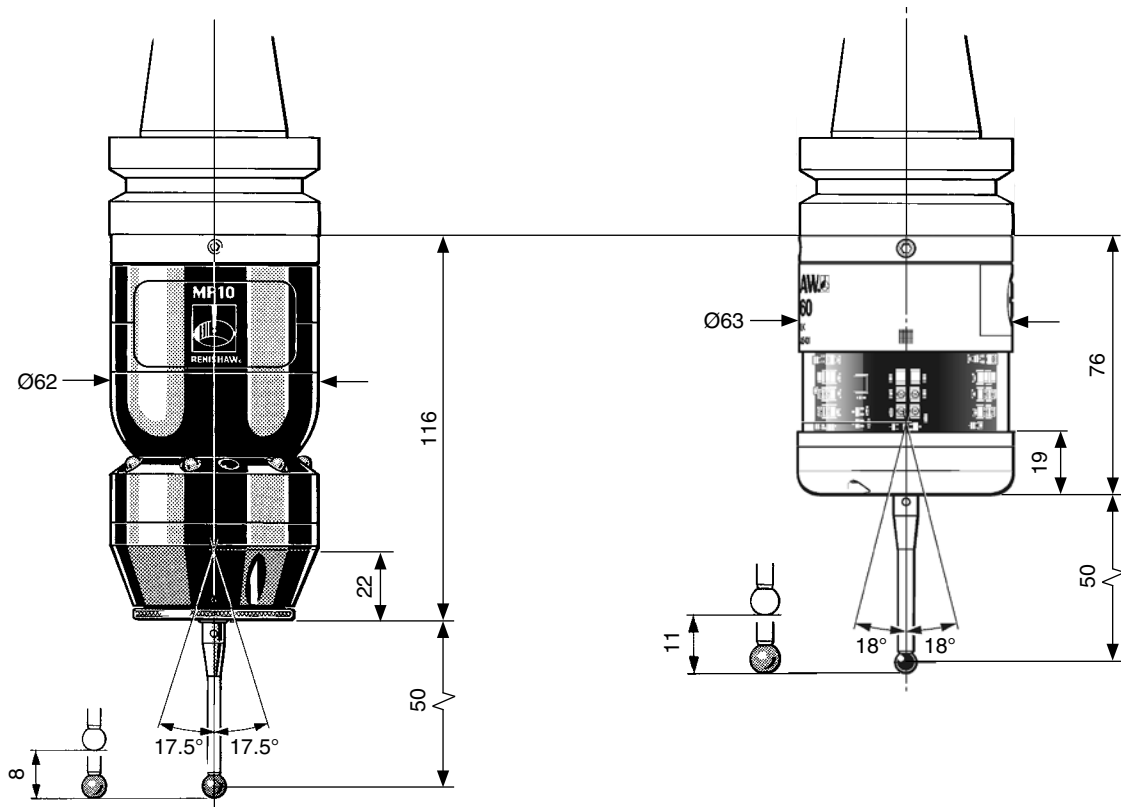


Comparison of probes MP10 / OMP60



The OMP60 is an optical probe for medium to large machining centres and mill-turn centres. The OMP60 is the successor to the probe series MP7, MP8, MP9 and MP10 and performs their functions in a single device. All previous functionality can be configured using Trigger Logic™. The probe features new modulated infrared transmission for high resistance to light interference and Renishaw's traditional signal transmission. Consequently, the probe can also be used in existing Renishaw installations.

Main advantages of the OMP60:

- More compact size
- Robust stainless steel housing
- New modulated optical signal transmission when used with an OMI-2 receiver/interface
- Uses standard AA batteries
- Battery fitting is quick and easy using a quick release battery cassette
- All the functions of the previous product series can be configured using the Trigger Logic™ technique
- Stylus trigger force adjustment from outside
- Increased resistance to shock and vibration
- Transmission range selectable

	MP10	OMP60
Basic application	Medium to large machining and mill-turn centres	Medium to large machining and mill-turn centres
Maximum range	OMI 3 metres OMM/MI 12 6 metres	OMI-2 6 metres OMI 4 metres OMM/MI 12 6 metres
Switch on / switch off method	Optical on / off Optical on / time out	Optical on / off Optical on / time out Spin on / off Spin on / time out Shank on / off
Type of signal transmission	360° infrared transmission system (either 35° or 70° output angle)	Modulated or traditional infrared signal transmission over 360° (covers all output angles)
Probing directions	5 directions: ±X, ±Y, +Z	5 directions: ±X, ±Y, +Z
Probe repeatability maximum (2σ) at stylus tip	1.0 μm	1.0 μm
Weight (with batteries)	730 g	878 g
Probing force	XY plane (adjustable) lowest force 0.75 N highest force 1.4 N +Z direction (not adjustable) 4.9 N	XY plane (adjustable) lowest force 0.75 N highest force 1.4 N +Z direction (not adjustable) 5.3 N
Stylus overtravel	XY plane ±17.5° +Z direction 8 mm	XY plane ±18° +Z direction 11 mm
Maximum recommended probe stylus length	150 mm	150 mm
Battery type and life	1 x PP3 9 V alkaline Standby 365 days minimum 140 hours minimum in continuous operation	2 x AA alkaline Standby 468 days typical 172 hours typical in continuous operation* 2 x AA LTC Standby 1019 days typical 595 hours typical in continuous operation*
IP rating	IPX8	IPX8
Tool holder shanks	Same	
Interface	OMM/MI 12, OMI or OMMC/MI 120	OMI-2, OMI-2C, OMM/MI 12, OMI or OMMC/MI 120
Casing	Aluminium	Stainless steel
Data sheet part number	H-2000-2262	H-2000-2131
User's guide part number	H-2000-5059	H-2000-5221

* Traditional signal transmission in low power mode

You will find more information in the relevant data sheets and user's guides, or visit us on our web page www.renishaw.com/mtp

For worldwide contact details, please visit our main website at www.renishaw.com/contact



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