

RMP40M and RMP60M radio modular systems

Modular versions enable the probe to access features for inspection or part setting otherwise inaccessible by the standard probe.

Both RMP40M and RMP60M combine radio frequency hopping spread spectrum (FHSS) communications with a robust design and superior battery life to deliver a flexible solution.

Renishaw has a comprehensive range of adaptors, extensions, and stylus configurations to overcome the most demanding of probing applications.

Approved radio regions: China, Europe (all countries within the European Union), Japan and USA. For details about other regions, contact Renishaw.



Key features and benefits:

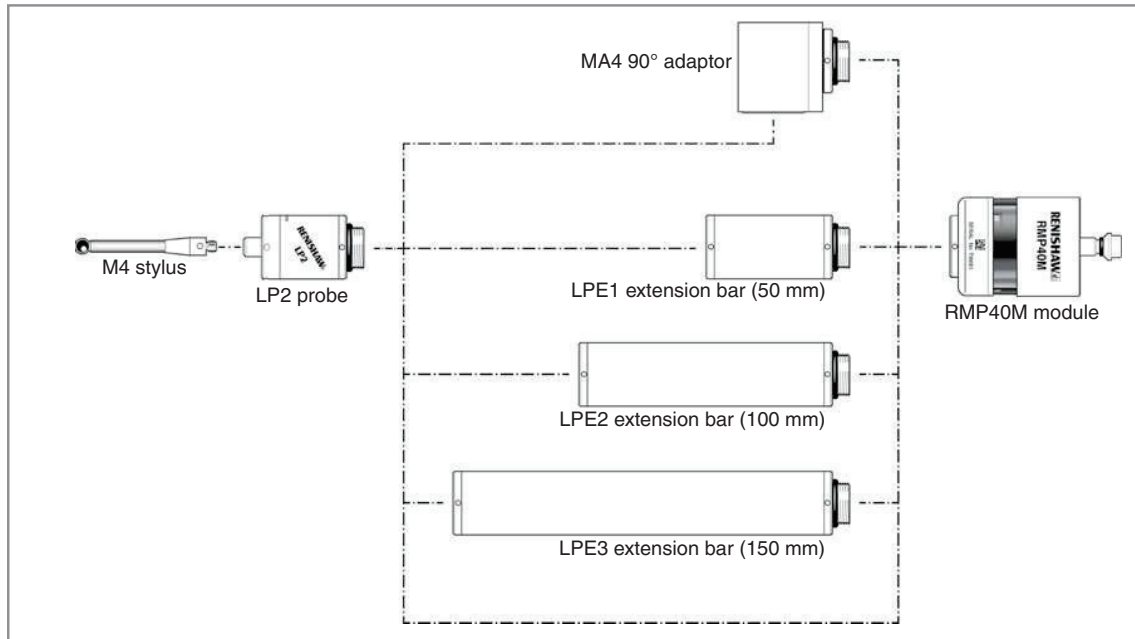
- Proven kinematic design
- Secure frequency hopping spread spectrum (FHSS)
- Globally recognised 2.4 GHz waveband – compliant with radio regulations in all major markets
- Comprehensive range of adaptors and extensions allowing access to more workpiece features
- 1.00 to 2.00 μm 2σ repeatability (dependent on probe)

Our engineers were initially quite concerned about reaching all the areas on the chassis that we need to machine. But, because it uses radio transmission, the Renishaw probe makes part access much easier.

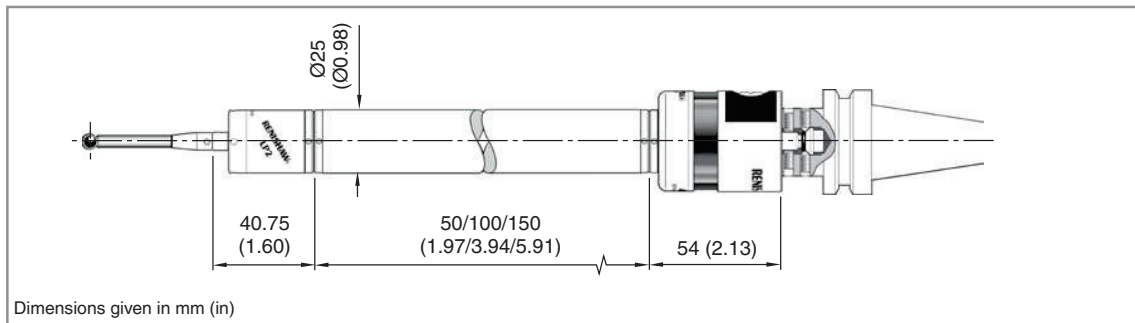
JCB (UK)



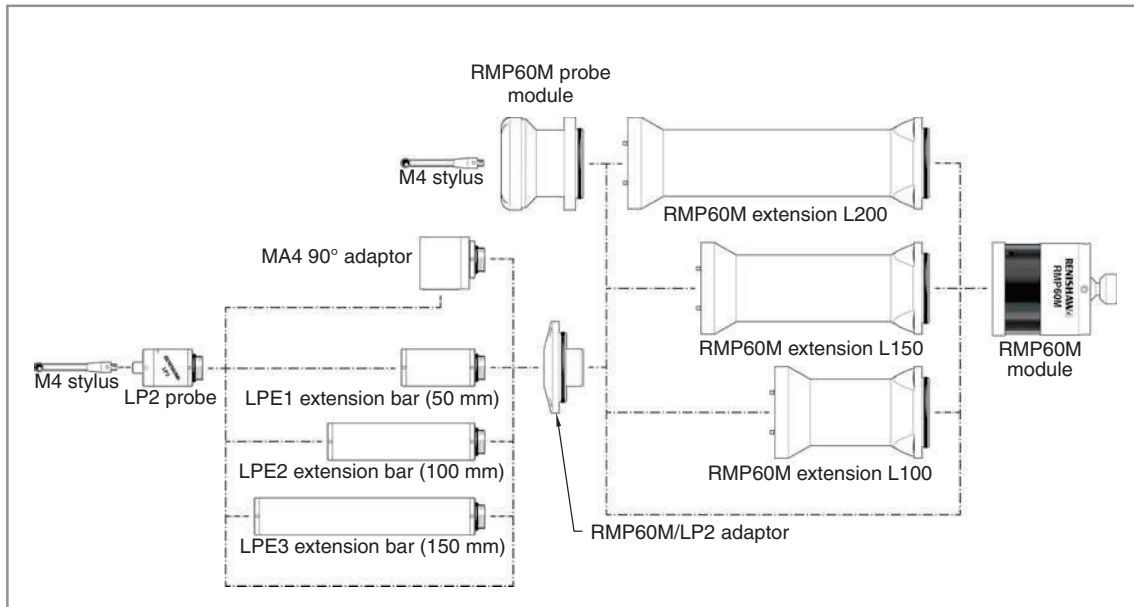
RMP40M modular system



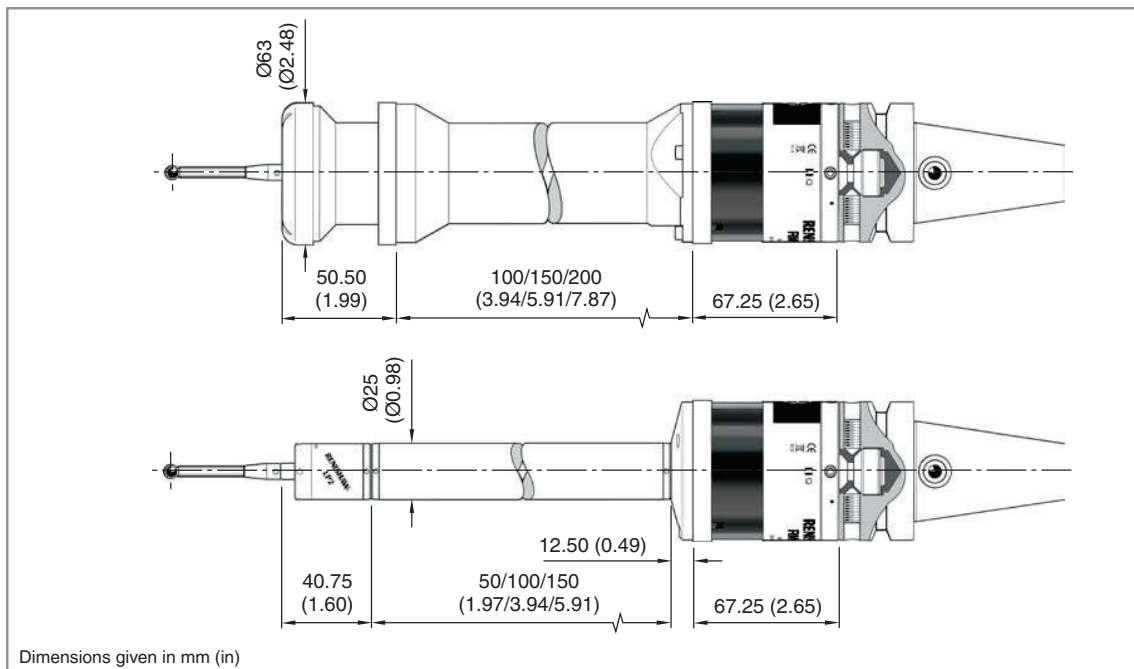
RMP40M dimensions



RMP60M modular system



RMP60M dimensions



RMP40M specification

Principal application		Workpiece inspection and job set-up on machining centres and multi-tasking machines.
Transmission type		Frequency hopping spread spectrum (FHSS) radio Radio frequency 2400 MHz to 2483.5 MHz
Radio approval regions		China, Europe (all countries within the European Union), Japan and USA. For details about other regions, contact Renishaw.
Compatible probes		LP2 and variants
Compatible interfaces		RMI and RMI-Q
Operating range		Up to 15 m (49.2 ft)
Recommended styli		Ceramic, lengths 50 mm (1.97 in) to 150 mm (5.91 in)
Weight without shank (including batteries)		258 g (9.10 oz)
Switch-on/switch-off options		Radio on → Radio off or timer off Spin on → Spin off or timer off
Battery life (2 × ½ AA 3.6 V Lithium-thionyl chloride)	Standby life	290 days maximum, dependent on switch-on/switch-off option.
	Continuous use	450 hours maximum, dependent on switch-on/switch-off option.
Sense directions		±X, ±Y, +Z
Sealing		IPX8 (EN/IEC 60529)
Operating temperature		+5 °C to +55 °C (+41 °F to +131 °F)

RMP60M specification

Principal application		Workpiece inspection and job set-up on multi-tasking machines, machining centres and gantry machining centres.
Transmission type		Frequency hopping spread spectrum (FHSS) radio Radio frequency 2400 MHz to 2483.5 MHz
Radio approval regions		China, Europe (all countries within the European Union), Japan and USA. For details about other regions, contact Renishaw.
Compatible probes		LP2 and variants, and the OMP60M probe module
Compatible interfaces		RMI and RMI-Q
Operating range		Up to 15 m (49.2 ft)
Recommended styli		Ceramic, lengths 50 mm (1.97 in) to 150 mm (5.91 in)
Weight without shank (including batteries)		888 g (31.32 oz)
Switch-on/switch-off options		Radio on → Radio off or timer off Spin on → Spin off or timer off Shank switch on → Shank switch off
Battery life (2 × AA 3.6 V Lithium-thionyl chloride)	Standby life	890 days maximum, dependent on switch-on/switch-off option.
	Continuous use	1710 hours maximum, dependent on switch-on/switch-off option.
Sense directions		±X, ±Y, +Z
Sealing		IPX8 (EN/IEC 60529)
Operating temperature		+5 °C to +55 °C (+41 °F to +131 °F)

For further information and the best possible application and performance support, contact Renishaw or visit www.renishaw.com/rmp40 or www.renishaw.com/rmp60