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RMI-Q radio machine interface

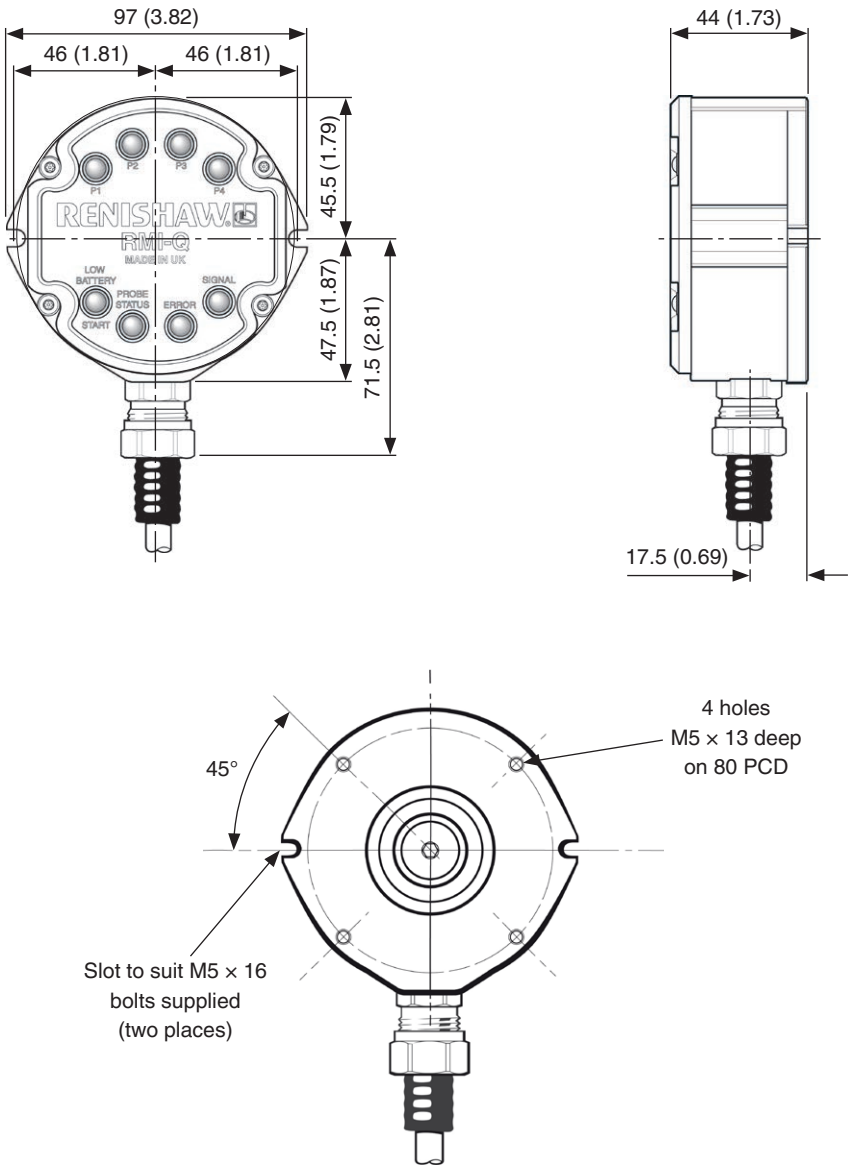


Specification

Principal application	All machining centres, 5-axis machines, twin spindle machines and vertical turret lathes.	
Weight	RMI-Q including 8 m (26.2 ft) of cable = 1050 g (37.04 oz) RMI-Q including 15 m (49.2 ft) of cable = 1625 g (57.32 oz)	
Radio approval regions	UK, EU, EFTA, Japan and USA (China exempt). For details about other regions, contact Renishaw.	
Transmission type	Frequency hopping spread spectrum (FHSS) radio Radio frequency 2400 MHz to 2483.5 MHz	
Operating range	Up to 15 m (49.2 ft)	
Probes per system	Radio M-code on = up to four Spin/shank switch on = unlimited	
Compatible probes	Component setting/inspection: RMP40, RMP40M, RMP400, RMP60, RMP60M and RMP600 Lathe inspection: RLP40 and RLP40H Tool setting: RTS	
Supply voltage	12 Vdc to 30 Vdc	
Supply current	500 mA peak, < 100 mA typical from 12 V to 30 V	
Configurable M-code input	Pulsed or level	
Output signal	**Probe Status 1, Low Battery, Error** Voltage-free solid-state relay (SSR) outputs, configurable normally open or normally closed. **Probe Status 2a** 5 V isolated driven output, invertible. **Probe Status 2b** Power supply voltage driven output, invertible.	
Input / output protection	Supply protected by resettable fuse. Outputs protected by over current protection circuit.	
Diagnostic LEDs	Start, low battery, probe status, error, signal condition and P1, P2, P3, P4 system status.	
Cable (to machine controller)	Specification	Ø7.6 mm (0.30 in), 16-core screened cable, each core 18 × 0.1 mm
	Length	8 m (26.2 ft) and 15 m (49.2 ft) standard lengths. Optional 30 m (98.4 ft) and 50 m (164.0 ft) cable assemblies are also available.
Mounting	Flush mounting or directional mounting with optional mounting bracket (available separately).	
Environment	IP rating	IPX8, BS EN 60529:1992+A2:2013
	Storage temperature	–25 °C to +70 °C (–13 °F to +158 °F)
	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/rmi-q**

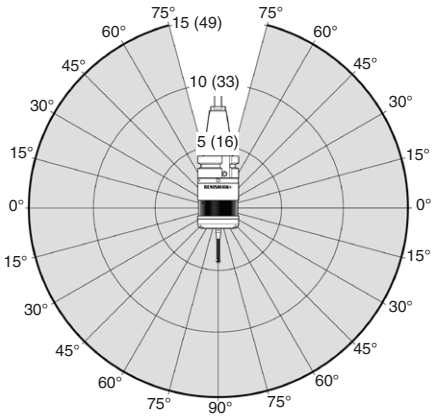
Dimensions



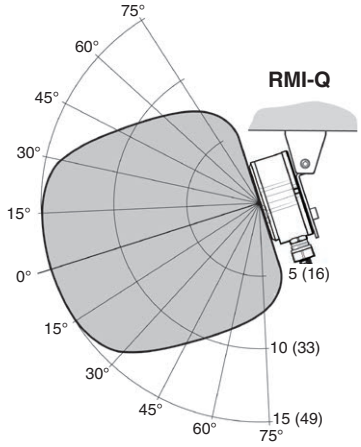
Dimensions given in mm (in)

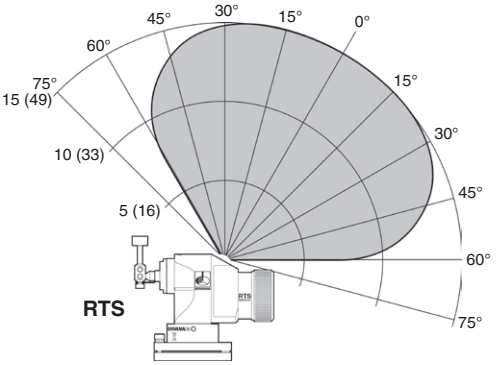
Performance envelope

RMP40
RLP40
RMP400
RMP60
RMP600



RMI-Q





RTS

Operating and switch-on / switch-off

Typical plot at +20 °C (+68 °F)
Transmission range in m (ft)

Spare parts and accessories

A full range of spare parts and accessories is available. Contact Renishaw for a full list.

www.renishaw.com/contact

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+44 (0) 1453 524524 **uk@renishaw.com**

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