

MP11 probe



Specification

Principal application	Workpiece inspection and job set-up on CNC milling machines with manual tool change.	
Transmission type	Hard-wired transmission	
Compatible interfaces	N/A (integrated interface)	
Recommended styli	Ceramic, lengths 50 mm (1.97 in) to 100 mm (3.94 in)	
Weight	540 g (19.05 oz)	
Sense directions	±X, ±Y, +Z	
Unidirectional repeatability	1.00 µm (40 µin) 2σ ¹	
Stylus trigger force ^{2,3} XY low force XY high force +Z direction	0.50 N, 51 gf (1.80 ozf) 1.50 N, 153 gf (5.40 ozf) 1.80 N to 7.00 N, 184 gf to 714 gf (6.47 ozf to 25.18 ozf)	
Stylus overtravel	XY plane +Z plane	±17.5° 8 mm (0.31 in)
Environment	IP rating	IP66, BS EN 60529:1992+A2:2013
	Storage temperature	−10 °C to +70 °C (+14 °F to +158 °F)
	Operating temperature	+5 °C to +50 °C (+41 °F to +122 °F)

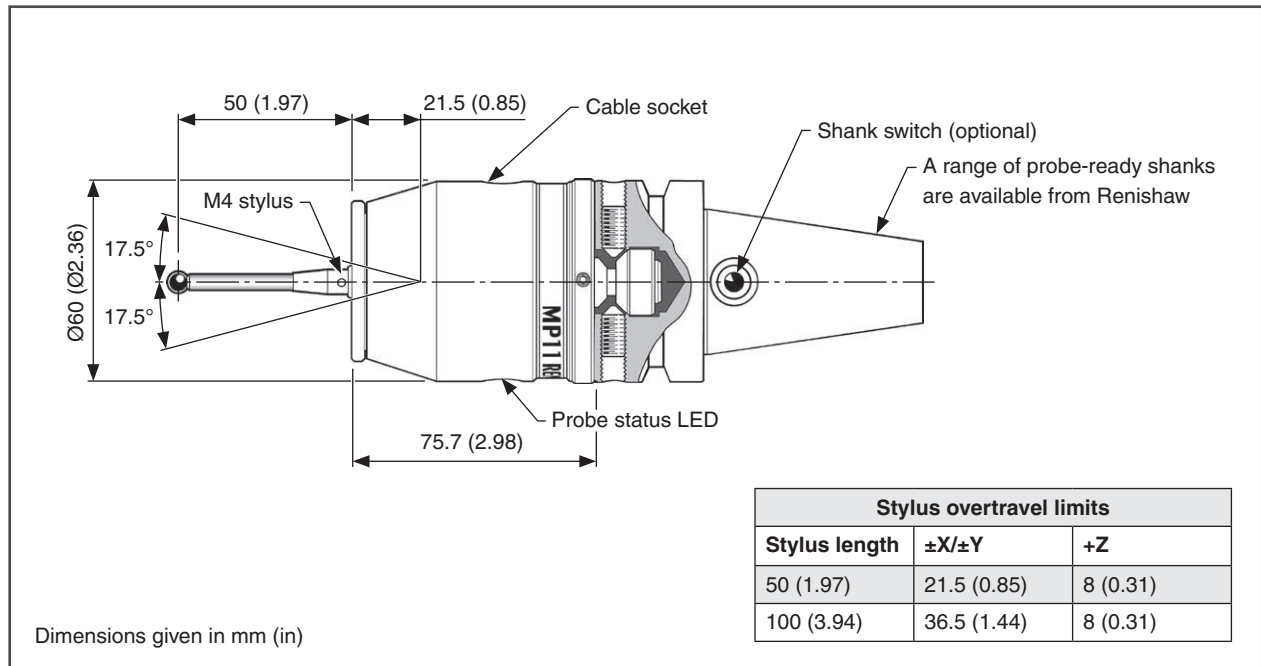
¹ Performance specification is tested at a standard test velocity of 480 mm/min (18.9 in/min) with a 50 mm stylus. Significantly higher velocity is possible depending on application requirements.

² Trigger force, which is critical in some applications, is the force exerted on the component by the stylus when the probe triggers. The maximum force applied will occur after the trigger point (overtravel). The force value depends on related variables including measuring speed and machine deceleration.

³ These are the factory settings; manual adjustment is possible.

For further information and the best possible application and performance support, contact Renishaw or visit www.renishaw.com/mp11

MP11 dimensions



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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