

# MH20 articulating probe head

## Ultra compact manual head with probe module changing

MH20 is a compact, infinitely adjustable manual probe head offering maximum flexibility in probe orientation. It can be installed on new and existing measuring machines via shank mounting, and is best suited to manual CMMs.

The integral TP20 probe mount makes MH20 compatible with the full range of TP20 modules, allowing fast and repeatable interchange between qualified probe modules for maximum productivity.

The range of TP20 modules provides a selection of trigger forces and directional sensing options, as well as increased reach with EM1 and EM2 extension bars, and gives some crash protection in the event of accidental collision.

When using MH20, each position used must be qualified prior to measuring.



## Key benefits

### Accessibility

Infinite probe orientation optimises workpiece accessibility.

### Productivity

Fast probe module changing without the need for re-qualification offers improved productivity.

### Increased reach and flexibility

Extension bars available, with up to 75 mm extra reach (125 mm from TP20 mount including max styli).

## Innovations

### Repeatable probe changing

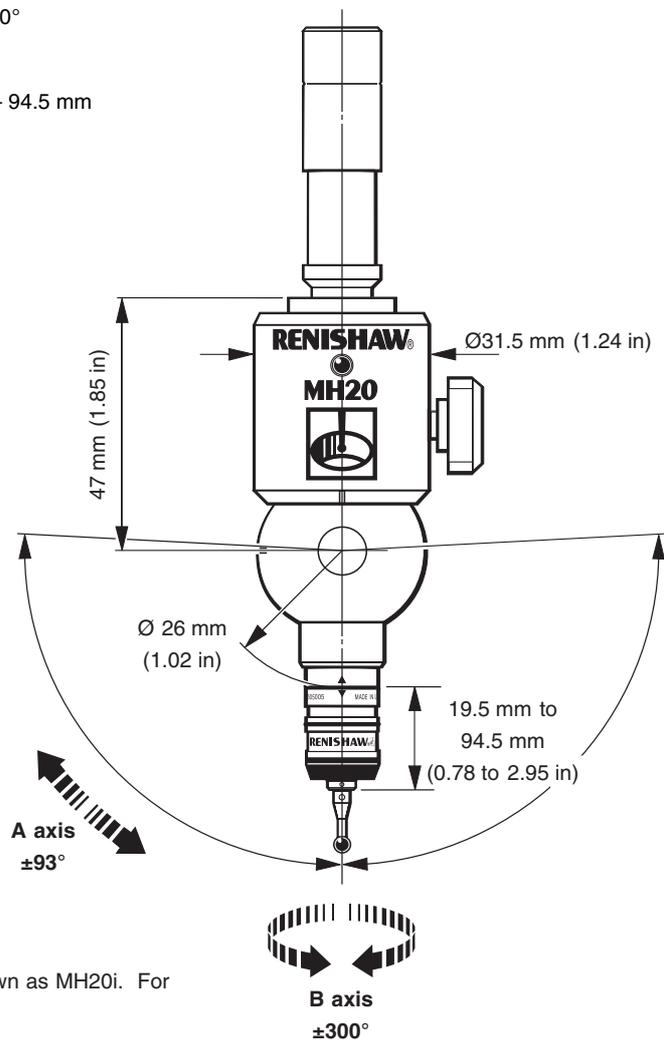
The TP20 range offers repeatable probe module changing, allowing the use of different stylus configurations, without the need for re-qualification.

### Crash protection

TP20 modules have overtravel in all directions. The magnetic mounting provides additional crash protection in X and Y.

## Specification

<b>Length</b>	73 mm (2.87 in) (from shank mounting face to kinematic mount)
<b>Diameter</b>	31.5 mm (1.24 in)
<b>Weight</b>	100 g (3.53 oz)
<b>Probe mounting</b>	TP20 kinematic mount
<b>Head mounting</b>	MS/T range of shanks
<b>Suitable interface</b>	Standard touch trigger interface
<b>Probe status indication</b>	1 LED
<b>Cable connection</b>	5 pin DIN 180° socket
<b>A axis indexing</b>	Non-indexing swivel $\pm 93^\circ$
<b>B axis indexing</b>	Non-indexing swivel $\pm 300^\circ$
<b>Repeatability of position</b>	N/A
<b>Maximum extension bar</b>	EM2 extension module – 94.5 mm (2.95 in) long



## Additional information

A repeatable, indexing version of MH20 is available, known as MH20i. For more information refer to [www.renishaw.com/MH20i](http://www.renishaw.com/MH20i).

Further information, regarding MH20 and MH20i, including part numbers, is available on the MH20 & MH20i data sheet (H-1000-2195).

A variety of shanks are available for MH20, in order to select the correct MH20 kit for your machine refer to [www.renishaw.com/MH20](http://www.renishaw.com/MH20).

For information regarding TP20 please refer to [www.renishaw.com/TP20](http://www.renishaw.com/TP20) or see TP20 flyer (H-1000-3169).

**For worldwide contact details, please visit our main website at [www.renishaw.com/contact](http://www.renishaw.com/contact)**