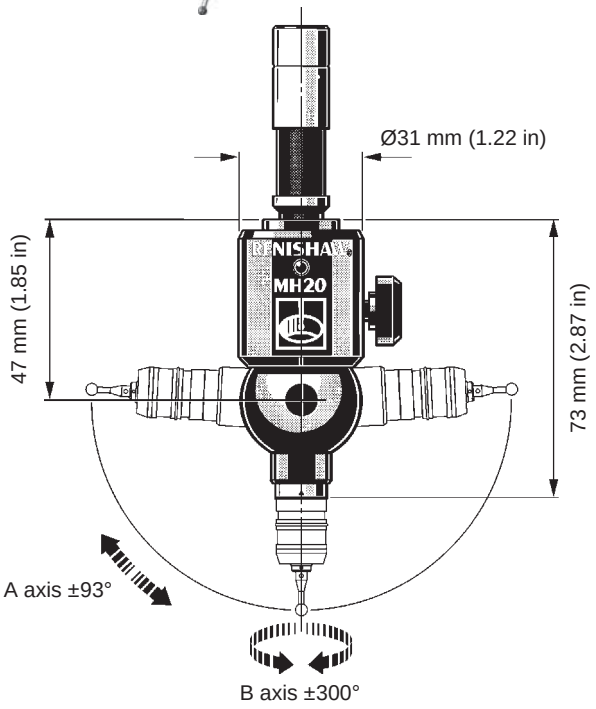
MH20 manual articulating probe head with integral TP20 module mount

The MH20 is a compact probe head with fully adjustable orientation.

The integral TP20 kinematic stylus module mount enables repeatable stylus module changing, without the need for re-qualification, providing head adjustment has not taken place. It is compatible with the full range of TP20 stylus modules, which comprises 5-way module versions with either length or trigger force options, plus a 6-way module. Multiple stylus configurations are easily interchanged allowing quick and easy access to work piece features.

The head is pre-mounted with a customer-specified shank to suit the CMM and features a red LED which indicates probe status.



MH20 features and benefits:

- Fast repeatable stylus module changing to improve productivity
- Ultra compact design that maximises CMM working volume
- Infinite positioning within the range of the head to optimise access to complex parts.
- TP20 compatibility ensures a wide range of stylus configurations are easily interchanged enhancing flexibility

Please refer to page 5-3 for probe compatibility information

Specification summary	MH20
HEAD MOUNTING	Shank to suit CMM (MS range)
PROBE MOUNTING	TP20 kinematic
PROBE STATUS INDICATION	1 LED
CABLE CONNECTION	5-pin DIN socket
RANGE OF ARTICULATION	A axis ±93° B axis ±300°
MAXIMUM LOAD	EM2 extended module - 94.5 mm (3.72 in)
WEIGHT (without shank)	100 g (3.53 oz)
DUAL AXES LOCK	Single rotary thumbwheel
OPERATING TEMPERATURE RANGE	10 °C to 40 °C (50 °F to 104 °F)
STORAGE TEMPERATURE RANGE	-10 °C to +70 °C (14 °F to 158 °F)
SUITABLE PROBE INTERFACE	PI 4-2

NOTE: The MH20 is compatible with the MSR1 module storage rack, but not with the MCR20 module change rack.

MH20i manual indexing probe head with integral TP20 module mount

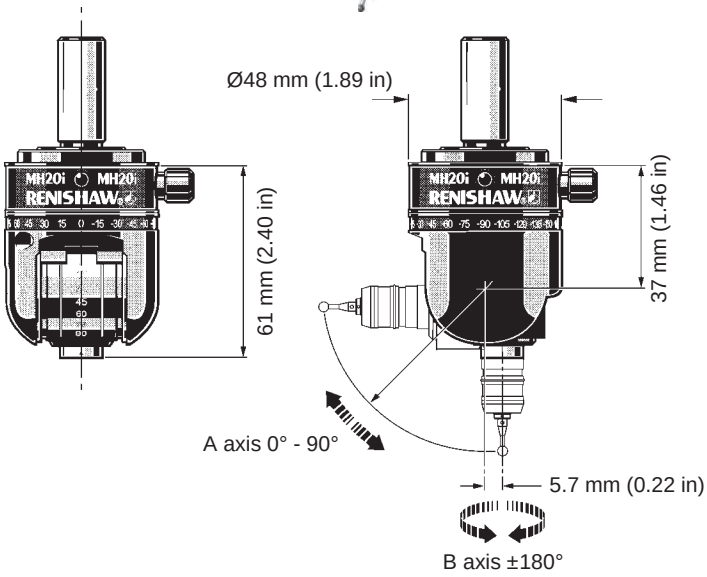
The MH20i is a manual probe head with 2-axis adjustable indexing. Compact in design, it features an integral TP20 kinematic mount that enables repeatable stylus module changing without the need for re-qualification.

The MH20i offers 168 repeatable index positions which are set at 15° increments to maximise flexibility and productivity. Easy to read scales permit rapid re-orientation to pre-qualified positions, and its lock/unlock feature allows ease of positioning and eliminates unnecessary wear.

It is compatible with the full range of TP20 stylus modules, which comprises 5-way module versions with either length or trigger force options, plus a 6-way module. Multiple stylus configurations are easily interchanged allowing quick and easy access to work piece features.

MH20i features and benefits:

- Enhanced inspection capability from adjustable probe orientation with 168 repeatable index positions set at 15° increments
- Repeatable TP20 stylus module changing in each pre-qualified position without the need for re-qualification significantly enhances productivity
- TP20 compatibility, providing a wide range of force and length options to optimise machine performance and access capability
- Easy-to-read scales allow rapid re-orientation



Please refer to page 5-3 for probe compatibility information

Specification summary	MH20i
HEAD MOUNTING	Shank to suit CMM (MS range)
PROBE MOUNTING	TP20 kinematic
POSITIONAL REPEATABILITY (2σ)	1.5 µm (0.00006 in) at stylus tip with TP20 SF stylus module and 10 mm (0.39 in) styli 2.5 µm (0.0001 in) at stylus tip with TP20 EM2 stylus module and 20 mm (0.78 in) styli
PROBE STATUS INDICATION	1 LED
CABLE CONNECTION	5-pin DIN socket
A AXIS INDEXING	0° to 90° in 15° repeatable steps = 7 positions
B AXIS INDEXING	±180° in 15° repeatable steps = 24 positions
MAXIMUM LOAD	EM2 extended module - 94.5 mm (3.72 in)
WEIGHT (without shank)	210 g (7.41 oz)
MOUNTING	MS range of shanks
DUAL AXES LOCK	Single lock lever
OPERATING TEMPERATURE RANGE	10 °C to 40 °C (50 °F to 104 °F)
STORAGE TEMPERATURE RANGE	-10 °C to +70 °C (14 °F to 158 °F)
SUITABLE PROBE INTERFACE	PI 4-2

NOTE: The MH20i is compatible with the MSR1 module storage rack, but not with the MCR20 module change rack.