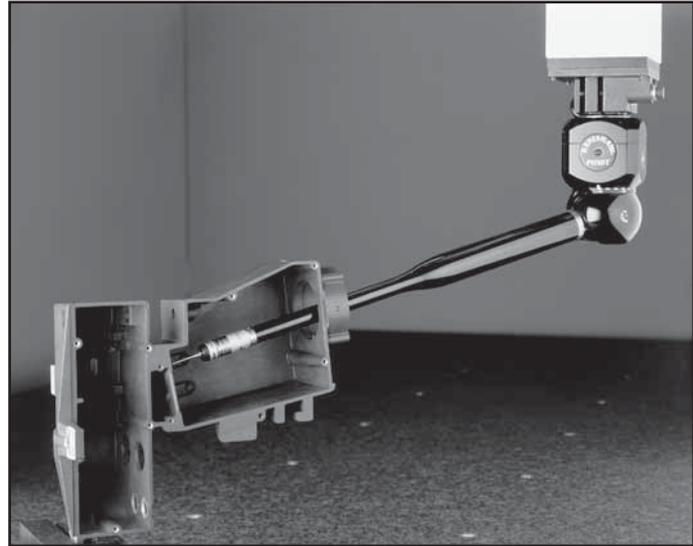


## PH10T motorised indexing probe head

The PH10T is a motorised indexing head that mounts and re-orientates the probe. The PH10T can be repeatably orientated to any one of 720 positions.

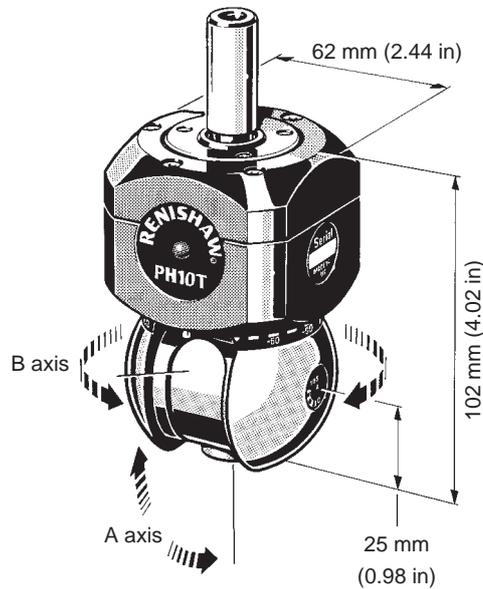
All M8 thread probes can be fitted directly onto the mount of the PH10T. The PH10T is operated by the PHC10-2 and is compatible with other Renishaw M8 threaded products.

The AM1 adjustment module permits the correction of the alignment of the probe head to the machine and is fitted between the head and the shank.



### PH10T features and benefits:

- Compatible with M8 thread probes
- Compatible with PEL range of extension bars up to 300 mm (11.81 in) long
- 720 repeatable positions at 7.5° increments
- Shank-mounted



Specification summary		PH10T
REPEATABILITY OF POSITION* (2σ)		<0.5 μm (<0.00002 in) specified at a distance of 48 mm (1.89 in)
* At constant temperature		- equivalent to a TP2 and PS1R stylus
ACCURACY OF STEP SPACING FROM THEORETICAL POSITION		±0.24 mm (±0.012 in) (using TP6 probe and stylus part number A-5000-3553)
CYCLE TIME	7.5° step	2.5 seconds
	Maximum 90° move	3.5 seconds
TOTAL ANGULAR MOVEMENT	A axis	0° to 105° in 7.5° steps
	B axis	±180° in 7.5° steps
TOTAL NUMBER OF POSITIONS		720
MAXIMUM OUTPUT TORQUE		0.45 Nm
MAXIMUM EXTENSION BAR LENGTH (WITH TP2/TP200)		300 mm (11.81 in)
HEAD MOUNTING		Shank to suit CMM (MS range)
WEIGHT (excluding shank)		645 g (22.75 oz)
WORKING TEMPERATURE RANGE		10 °C to 40 °C (50 °F to 104 °F)
PROBE MOUNTING FACILITY		M8 thread
PROBE HEAD CONTROLLER		PHC10-2
HAND HELD CONTROL UNIT		HCU1

Probing systems for  
co-ordinate measuring machines

Motorised probe heads  
Indexing type

8-2

‡ Specialised interface required

