

RTP1 temperature probe

Bringing automated temperature measurement to CMMs as part of the REVO 5-axis multi-sensor measuring system

The REVO® temperature probe RTP1 allows the temperature of the part to be measured, recorded and used in logic. The innovative design provides excellent coupling between the probe and the material, enabling quick temperature measurement.

RTP1 is fully compatible with the MRS and MRS2 change racks and is automatically interchangeable with all other probes available for the REVO system.

Key benefits

Cost effectiveness

RTP1 overcomes the need for multiple dedicated temperature sensors on part fixtures, therefore reducing costs.

Accuracy

The RTP1 can measure part temperatures of +10 °C to +40 °C with an accuracy of better than ± 0.5 °C using touch points.

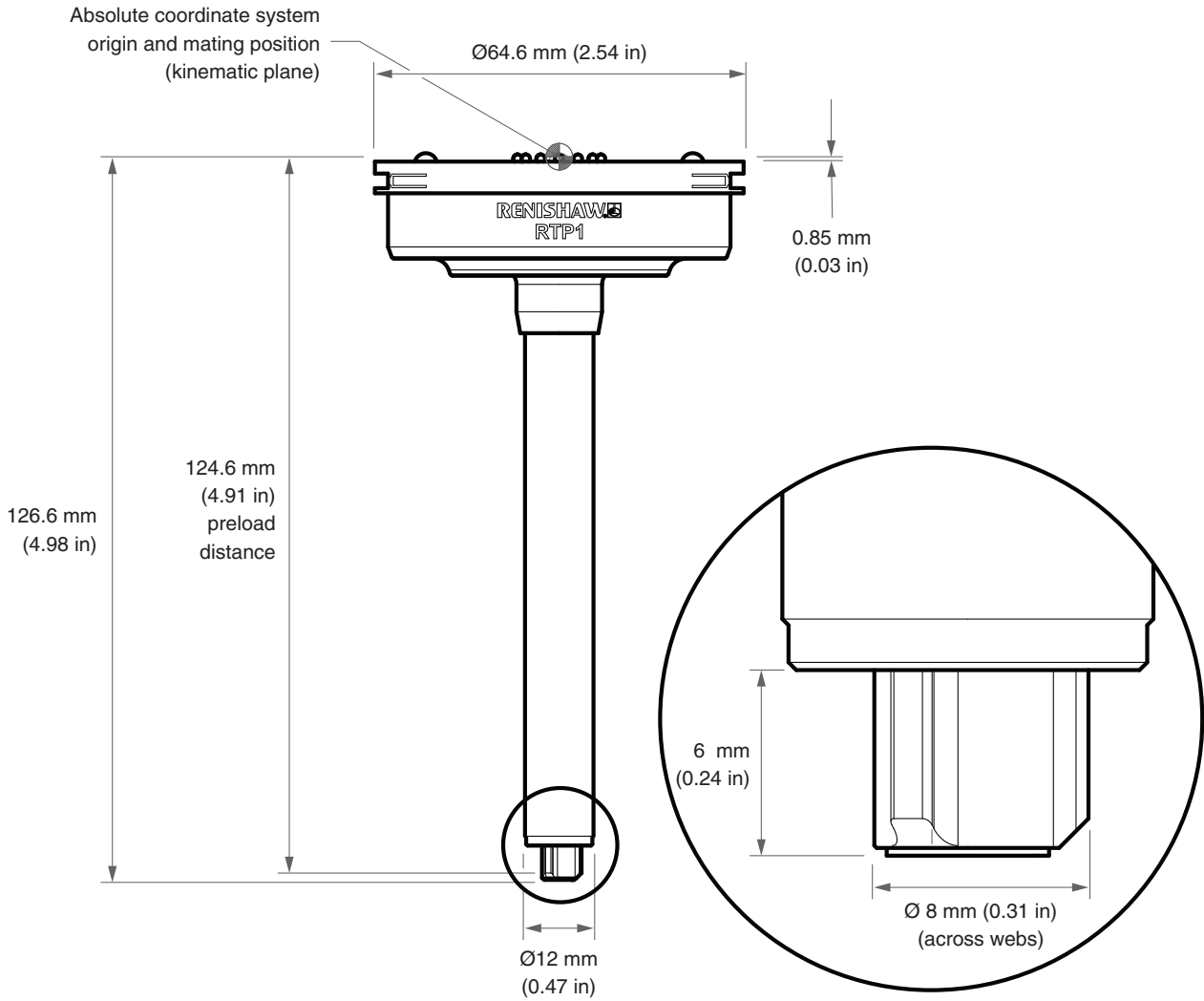
Flexibility

Fully integrated into MODUS and UCCsuite metrology software, including features such as:

- Time duration on surface with multiple sample points
- Average temperature and last point reporting
- Infinite positioning of REVO A and B axes to precisely access the surface of interest



Dimensions



Specification

Operating temperature range	+10 °C to +40 °C (+50 °F to +104 °F)
Storage temperature range	-25 °C to +70 °C (-13 °F to +158 °F)
Operating humidity	0% to 80% (non-condensing)
Storage humidity	0% to 80% (non-condensing)
25 °C temperature accuracy *	±0.5 °C
Typical temperature time	< 10 seconds
Force on part	0.47 N

* Valid for surfaces where the roughness is better than 3.2 µm Ra.

www.renishaw.com/RTP1



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