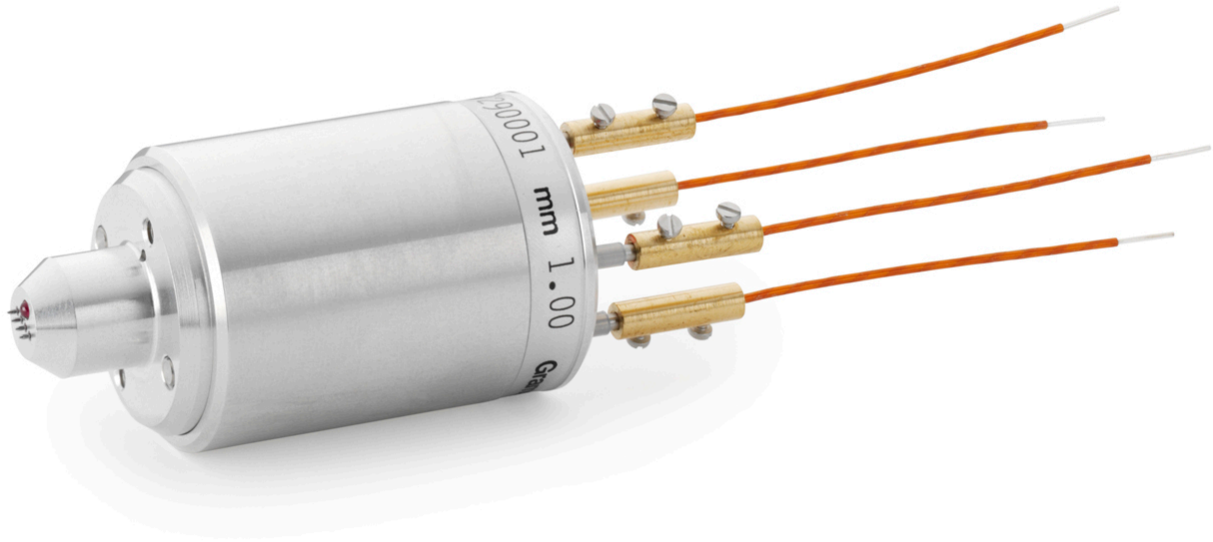


Jandel Engineering Limited



Cylindrical probe for use at high vacuum

Jandel Engineering Limited manufactures a version of the cylindrical probe which can be used at high vacuum.

The probe is unanodised and has had blind holes removed where possible. High vacuum wire is used for the connections which are crimped rather than soldered. A ruby ball is used for the insulation pad.

All Jandel probes are built to a high level of mechanical accuracy. Specifications for radii, spacing and planarity are verified by video inspection system and optical interferometer. Loads are verified by electronic force gauge. Each probe has upper and lower jeweled needle guides.

<i>Probe spacing</i>	1.00mm, 1.27mm, 1.591mm (needle to needle)
<i>Tolerance</i>	+/- 10 microns
<i>Arrangement</i>	Linear array only
<i>Needles</i>	Tungsten carbide 0.4mm diameter
<i>Needle option</i>	50% Osmium alloy tips are available
<i>Radii</i>	12.5, 25, 40, 100, 150, 200, 300, 500 microns
<i>Retraction to pad</i>	0.5 mm
<i>Planarity</i>	+/- 0.025mm or better
<i>Loads</i>	Fixed between 10g and 250g
<i>Electrical leakage</i>	10¹³ ohms resistance between needles at 500 volts

If you require any further information on the Jandel cylindrical probe for use at high vacuum please do not hesitate to contact us using the details below

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