




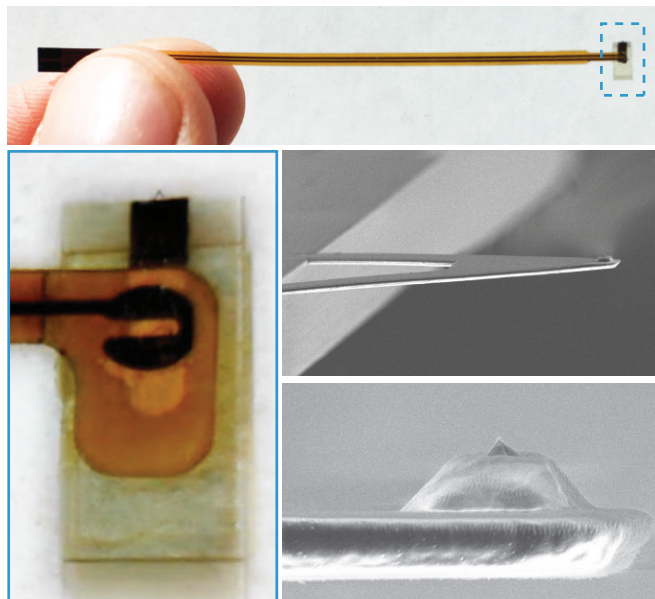


-  Conductive Probe
-  Low Leakage Currents
-  Reliable Electrical Contacts
-  Tweezer-free Insertion
-  Compatible with all Instruments

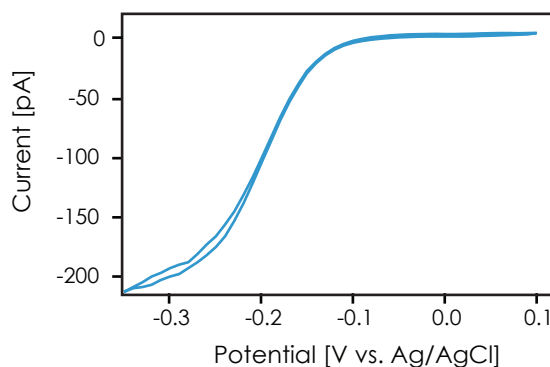


SPT-EL Properties*

Resonance Frequency: air	70 kHz
Resonance Frequency: water	26 kHz
Spring Constant	0.8 N/m
Cantilever Length	100 μm
Total Cantilever Thickness	1.7 μm
Exposed Tip Height	<0.7 μm
Lead Resistance	<20 Ω
Parasitic Capacitance	<40 pF
Typical Current @ -0.35V**	<600 pA

*Typical values

**Current values are taken in 5 mM hexaammine ruthenium chloride + 100 mM potassium nitrate



Superior electrical performance is ensured by testing each cantilever. Individual cyclic voltammograms are provided.

Probe Materials

Lever Shape	Triangular
Tip Apex	Platinum
Cantilever	Silicon Nitride
Chip	Pyrex
Handle	Polyimide

Ordering Information

Part Number	AFM Compatibility
SPT-EL-R	Bruker MultiMode* JPK Nanowizard Park Systems NX Series
SPT-EL-L	Asylum Research Cypher Asylum Research MFP-3D NTEGRA Series

If you do not see your AFM listed, please contact us at sales@scubaprobe.com

*An adapter cable is available that routes the tip signal directly to the controller.

Contact Us

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