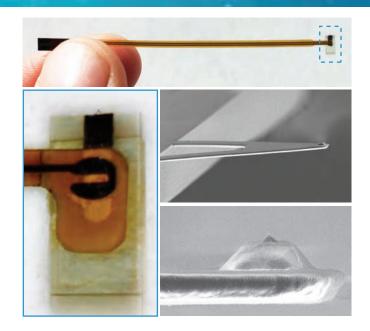


SPT-EL SPECIFICATIONS

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

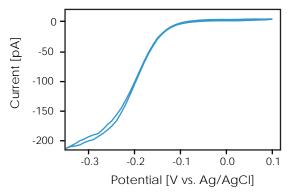


SPT-EL Properties*

| 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 SPT-EL-L | AFM Compatibility Nanosurf DriveAFM, FlexAFM, CoreAFM Asylum Research Cypher, MFP-3D NT-MDT NTEGRA series |
|-------------------------|---|
| SPT-EL-R | Bruker MultiMode*,JPK Nanowizard Park Systems NX 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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