

12Ptlr400B or 12Ptlr400A

The 12Ptlr400B is the updated version of RMN's probe with the lowest spring constant, with prolonged mechanical wear. It is most useful for contact AFM measurements with minimum contact force. These probes are ideal for C-AFM, SCM, SMM and SMIM applications. The 12Ptlr400A is the preferred probe for Keysight (Agilent) SMM applications.

- Tip shank length: 80 μm ($\pm 25\%$)
- Cantilever length: 400 μm ($\pm 15\%$)
- Cantilever width: 50 μm ($\pm 15\%$)
- Spring constant: 0.6 N/m ($\pm 40\%$)
- Frequency: 6 kHz ($\pm 30\%$)
- Standard tip radii below 20 nm for \$112 each
- Tip radii below 10 nm on request for \$134 each 12Ptlr400B-10
- Non - standard probe tips and cantilevers upon request