

Cantilever Data	Value	Range*
Resonance Frequency	6 kHz	3 - 14 kHz
Force Constant	0.03 N/m	0.004 - 0.54 N/m
Length	500 μm	495 - 505 μm
Mean Width	100 μm	95 - 105 μm
Thickness	1 μm	0.5 - 2.5 μm

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Arrow™ TL1 probes are tipless AFM cantilevers for special applications. They can for example be used for attaching spheres and other objects to the free end of the AFM cantilever, or for functionalizing and sensing applications.

All SPM and AFM probes of the Arrow™ series are made from monolithic silicon which is highly doped to dissipate static charge and are chemically inert. The TL1 probes feature one rectangular AFM cantilever with a triangular free end.

The Arrow™ TL1 probes are optionally available with a sample facing side gold coating (Arrow™ TL1Au).

Tip shape: Tipless

Coating: none

Order Code	Quantity	Data Sheet
ARROW-TL1-50	50	Nominal values