

Low-cost

Silicon AFM Probes

by VISTAprobes®



— **High quality**

— **Low cost**

— **Guaranteed**

Are you looking for AFM probes that are both reliable and affordable? Then look no further than VISTAprobes®, Nanoscience Instruments' line of standard AFM tips. VISTAprobes feature high-end specifications, but at a mid to low-end price, making them the best probe value on the market. As an added value, volume discounts are available on all models (see reverse for details).

VISTAprobes are suited for a wide range of general applications with styles available for the most popular SPM imaging modes – such as tapping/dynamic mode, contact mode, and force modulation mode.

All VISTAprobes are manufactured from heavily-doped, single crystal silicon and created in a process that is highly controlled to ensure consistent, quality tips time after time. The probes feature precision alignment grooves and are compatible with virtually all AFMs including those by Nanosurf, Veeco, Asylum Research, Agilent, and others.

To learn more about VISTAprobes, please visit www.vistaprobes.com or email Nanoscience Instruments at probes@nanoscience.com.



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Common properties of all models	
Material	Single crystal silicon
Alignment Grooves	Yes
Tip Style/Geometry	Pyramidal
Tip Height	14 µm
Tip Radius	< 10 nm
Reflex Coating*	Aluminum (optional)

Specifications also available online at store.nanoscience.com

Non-contact / Tapping

Model #: T300 Tapping mode, short cantilever, 300 kHz	Part Number	Qty	EU Price	Spring Constant	Resonant Frequency	Length	Mean Width	Thickness
	T300 - 10	10	€ 160.00	Typ: 40 N/m Range: 20 - 75 N/m	Typ: 300 kHz Range: 200 - 400 kHz	Typ: 125 µm Range: 115 - 140 µm	Typ: 40 µm Range: 35 - 45 µm	Typ: 4.0 µm Range: 3.0 - 5.0 µm
	T300 - 25	25	€ 360.00					
	Qty 50 or more - See Volume Discounts							
	T300 - W	400	€ 3,600.00					

Model #: T190 Tapping mode, long cantilever, 190 kHz	Part Number	Qty	EU Price	Spring Constant	Resonant Frequency	Length	Mean Width	Thickness
	T190 - 10	10	€ 160.00	Typ: 48 N/m Range: 20 - 95 N/m	Typ: 190 kHz Range: 145 - 230 kHz	Typ: 225 µm Range: 215 - 235 µm	Typ: 40 µm Range: 35 - 45 µm	Typ: 7.0 µm Range: 6.0 - 8.0 µm
	T190 - 25	25	€ 360.00					
	Qty 50 or more - See Volume Discounts							
	T190 - W	400	€ 3,600.00					

Contact Mode

Model #: CS Contact mode, short cantilever	Part Number	Qty	EU Price	Spring Constant	Resonant Frequency	Length	Mean Width	Thickness
	CS - 10	10	€ 160.00	Typ: 0.1 N/m Range: .02 - .18 N/m	Typ: 28 kHz Range: 18 - 38 kHz	Typ: 225 µm Range: 215 - 235 µm	Typ: 45 µm Range: 40 - 50 µm	Typ: 1.0 µm Range: 0.5 - 1.5 µm
	CS - 25	25	€ 360.00					
	Qty 50 or more - See Volume Discounts							
	CS - W	400	€ 3,600.00					

Model #: CL Contact mode, long cantilever	Part Number	Qty	EU Price	Spring Constant	Resonant Frequency	Length	Mean Width	Thickness
	CL - 10	10	€ 160.00	Typ: 0.2 N/m Range: .07 - 0.4 N/m	Typ: 12 kHz Range: 8 - 16 kHz	Typ: 450 µm Range: 425 - 475 µm	Typ: 40 µm Range: 35 - 45 µm	Typ: 2.0 µm Range: 1.0 - 3.0 µm
	CL - 25	25	€ 360.00					
	Qty 50 or more - See Volume Discounts							
	CL - W	400	€ 3,600.00					

Force Modulation

Model #: FM Force Modulation mode cantilever	Part Number	Qty	EU Price	Spring Constant	Resonant Frequency	Length	Mean Width	Thickness
	FM - 10	10	€ 160.00	Typ: 3.0 N/m Range: 1.2 - 6.4 N/m	Typ: 62 kHz Range: 47 - 76 kHz	Typ: 225 µm Range: 215 - 235 µm	Typ: 30 µm Range: 25 - 35 µm	Typ: 3.0 µm Range: 2.5 - 3.5 µm
	FM - 25	25	€ 360.00					
	Qty 50 or more - See Volume Discounts							
	FM - W	400	€ 3,600.00					

Volume Discounts (available on all VISTAprobe models)

VISTAprobes are packaged in quantities of 10, 25, and 400 (full wafer). Volume pricing is applied when ordering in multiples of 25. For example, when ordering 75 probes of the same part number, you'll get three 25-packs at the discounted price per pack shown.	Probe Quantity	Number of 25-packs	Price per 25-pack	Total Price
	50	2	€ 340.00	€ 680.00
	75	3	€ 320.00	€ 960.00
	100 or more	4 or more	€ 300.00	

*Reflex Coating

An optional 30 nm thick aluminum coating on the detector side of the cantilever is offered at no additional cost. To order VISTAprobes with this coating, simply add an 'R' to the Model Number. (example: T300R-25)

All prices shown in Euros (€). We also accept other currencies. Please contact us for details. Prices and specifications subject to change without notice.