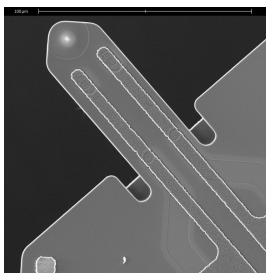
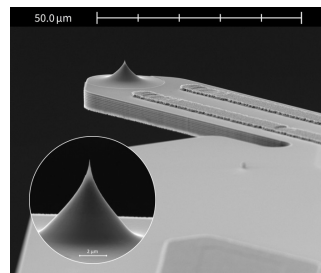


	S70	S115	S300	S400	M115	D115	D400	C115	C460	CSi115	CSi460
Tip Type	silicon	silicon	silicon	silicon	magnetic FEBID grown	Single crystal diamond	Single crystal diamond	conductive FEBID grown	conductive FEBID grown	Highly doped silicon	Highly doped silicon
Tip Radius	< 15 nm	< 15 nm	< 15 nm	< 15 nm	< 15 nm	< 15 nm	< 15 nm	< 20 nm	< 20 nm	< 15 nm	< 15 nm
Resonance Frequency	500-1300 kHz	200-800 kHz	30-95 kHz	14-48 kHz	200-800 kHz	200-800 kHz	14-48 kHz	200-800 kHz	30-95 kHz	200-800 kHz	30-95 kHz
Spring Constant	35-400 N/m	14-170 N/m	1.5-56 N/m	0.5-24 N/m	14-170 N/m	14-170 N/m	0.5-24 N/m	14-170 N/m	0.5-24 N/M	14-170 N/m	0.5-24 N/m
Dynamic Mode	✓	✓			✓	✓		✓		✓	
Contact Mode			✓	✓		✓	✓	✓	✓		✓
MFM					✓						
EFM								✓	✓	✓	
C-AFM								✓	✓		✓
Force Volume	✓	✓	✓	✓		✓	✓			✓	✓

QDM-S70-nano

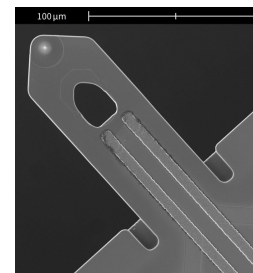


**your choice for
dynamic mode**

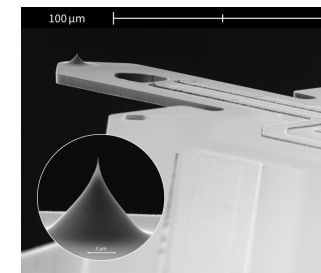


Tip Radius	< 15 nm
Tip Height	4-7 μm
Tip Material	silicon
Resonance Frequency	500—1300 kHz
Spring Constant	35-400 N/m
AFM Modes	dynamic mode, non-contact mode
Sensitivity	3 μV/nm
Dimensions	70μm×30μm
Material	silicon cantilever, boron doped 1kΩ piezo resistors

QDM-S115-nano

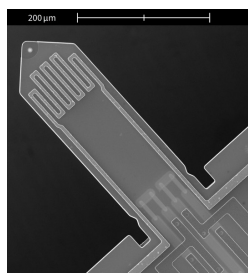


**your choice for
dynamic mode**

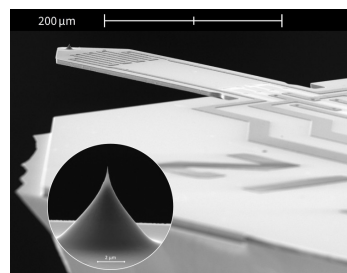


Tip Radius	< 15 nm
Tip Height	4-7 μm
Tip Material	silicon
Resonance Frequency	200—800 kHz
Spring Constant	8-530 N/m
AFM Modes	dynamic, non-contact
Sensitivity	1-3 μV/nm
Dimensions	115μm×48μm
Material	silicon cantilever, boron doped 1kΩ piezo resistors

QDM-S300-nano

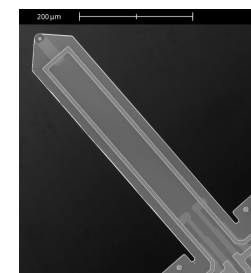


**your choice for
contact mode**

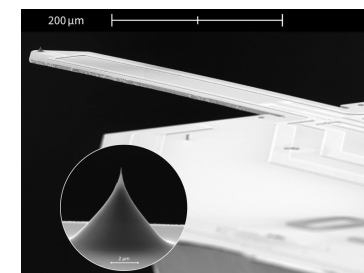


Tip Radius	< 15 nm
Tip Height	4-7 μm
Tip Material	silicon
Resonance Frequency	30—95 kHz
Spring Constant	1-56 N/m
AFM Modes	contact
Sensitivity	2 μV/nm
Dimensions	300μm×110μm
Material	silicon cantilever, boron doped 1kΩ piezo resistors

QDM-S400-nano



**your choice for
contact mode**



Tip Radius	< 15 nm
Tip Height	4-7 μm
Tip Material	silicon
Resonance Frequency	14-48 kHz
Spring Constant	0.5-24 N/m
AFM Modes	contact
Sensitivity	2 μV/nm
Dimensions	400μm×110μm
Material	silicon cantilever, boron doped 1kΩ piezo resistors