

HYDRA6R-100NGG

HYDRA6R-100NGG probes are designed primarily for use in non-contact / tapping mode, but can also be useful for contact mode applications. The sharp silicon tip provides high resolution images while the short, narrow, and rectangular cantilever retains a low spring constant. The Gold coating on both the reflex and tip sides allows for improved signal strength in fluid environments.

Tip Specifications

- **Material:** Silicon
- **Shape:** Tetrahedral
- **Height (μm):** 4-6
- **ROC (nm) :** 35
- **Coating:** Au, 35 nm \pm 5 nm



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Cantilever Specifications

Material: Silicon
Nitride
Shape :Rectangular
Reflex :Au, 40 nm \pm
coating :5 nm

Parameter	Nominal	Min	Max
k (N/m)	0.284	0.133	0.592
f (kHz)	66.0	49.0	90.0
Length (μm)	100.0	90.0	110.0
Width (μm)	35.0	30.0	40.0
Thickness (μm)	0.60	0.54	0.66