

# HYDRA2R-50NGG

HYDRA2R-50NGG probes are primarily designed for force-distance applications in both air and fluid mediums. They have narrow, rectangular cantilevers and are suited for non-contact / tapping mode or contact mode applications. 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 ( $\mu\text{m}$ ):** 4-6
- **ROC (nm) :** 35
- **Coating:** Au



### HYDRA2R-50NGG

On click zoom images

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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)	0.084	0.030	0.250
f (kHz)	77.0	48.0	130.0
Length ( $\mu\text{m}$ )	50.0	40.0	60.0
Width ( $\mu\text{m}$ )	35.0	30.0	40.0
Thickness ( $\mu\text{m}$ )	0.20	0.18	0.22