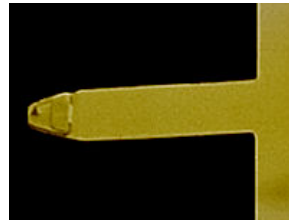


HYDRA2R-100NGG

HYDRA2R-100NGG probes are used for imaging soft samples in both air and fluid mediums. They have narrow, rectangular cantilevers which are appropriate for both non-contact / tapping mode and contact mode applications. These probes are coated with Gold on both the reflex and tip sides, allowing for improved signal strength in fluid environments.

Tip Specifications

- **Material:** Silicon
- **Shape:** Tetrahedral
- **Height (μm):** 4-6
- **ROC (nm) :** 35
- **Coating:** Gold



[HYDRA2R-100NGG](#)

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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)	0.011	0.005	0.022
f (kHz)	21.0	15.0	29.0
Length (μm)	100.0	90.0	110.0
Width (μm)	35.0	30.0	40.0
Thickness (μm)	0.20	0.18	0.22