

# HYDRA6V-100NG-TL

HYDRA6V-100WG-TL probes are tipless probes designed primarily for use in non-contact / tapping mode, but can also be useful for contact mode applications. The short, wide, and V-shaped cantilever retains a low spring constant. The Gold coating on the reflex side allows for improved signal strength in fluid environments.

## Cantilever Specifications

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



Parameter	Nominal	Min	Max
k (N/m)	0.292	0.133	0.621
f (kHz)	66.0	49.0	90.0
Length ( $\mu\text{m}$ )	100.0	90.0	110.0
Width ( $\mu\text{m}$ )	18.0	15.0	21.0
Thickness ( $\mu\text{m}$ )	0.60	0.54	0.66