

## Tipless - Non-Contact/Tapping Mode - High Resonance Frequency

NANOSENSORS™ TL-NCH cantilevers are designed for special applications where no AFM tip at the AFM cantilever is needed.

### The AFM probe offers unique features:

- no AFM tip
- highly doped silicon to dissipate static charge
- chemically inert
- high mechanical Q-factor for high sensitivity

This AFM probe features alignment grooves on the back side of the holder chip. These grooves fit to the NANOSENSORS Alignment Chip.

### Cantilever data:

Property	Nominal Value	Specified Range
Resonance Frequency [kHz]	330	204 - 497
Force Constant [N/m]	42	10 - 130
Length [ $\mu\text{m}$ ]	125	115 - 135
Mean Width [ $\mu\text{m}$ ]	30	22.5 - 37.5
Thickness [ $\mu\text{m}$ ]	4	3 - 5

### Order codes and shipping units:

Order Code	AFM probes per pack	Data sheet
TL-NCH-10	10	of all probes
TL-NCH-20	20	of all probes
TL-NCH-50	50	.....