

## Tipless - Non-Contact/Tapping Mode - Long Cantilever

NANOSENSORS™ TL-NCL tipless AFM 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
- alignment grooves on backside of silicon holder chip
- precise alignment of the AFM cantilever position (within +/- 2 µm) in conjunction with the usage of the alignment chip
- compatible with **PointProbe® Plus XY-Alignment Series**

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]	190	146 - 236
Force Constant [N/m]	48	21 - 98
Length [µm]	225	215 - 235
Mean Width [µm]	38	30 - 45
Thickness [µm]	7	6 - 8

### Order codes and shipping units:

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