

Tipless - Contact Mode

NANOSENSORS™ TL-CONT sensors 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]	13	6 - 21
Force Constant [N/m]	0.2	0.02 - 0.77
Length [µm]	450	440 - 460
Mean Width [µm]	50	42.5 - 57.5
Thickness [µm]	2	1 - 3

Order codes and shipping units:

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