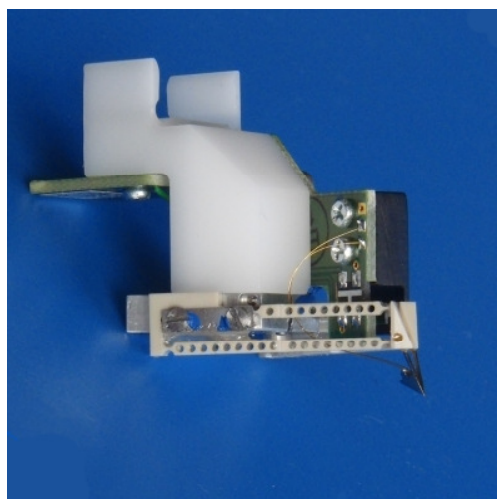


Technical Specifications

Kelvin Needle

Blade type



Kelvin Needle Blade type for all flying probe test systems A5neo, A5, A6, A7, A8 and S-Series

- No witness marks (depends on product surface)
- High precision light barrier controlled contacts

atg-L&M Part no. **A3A101822K**

Mechanics

Contact pressure	0.3-2.5 g
Min. pad size	down to 100 μm (depends on test system)
Min. pitch size	down to 200 μm (depends on test system)
Through hole diameter	50 μm – 2mm
Contact speed	5 -120 mm/s

Electronics

Threshold	0,25m Ω – 1k Ω
Tolerance	$\pm 0.0,025\text{m}\Omega \pm 2\%$

Typical durability: up to 10 million strokes

Range	Test current	Test voltage	Typical low resistance accuracy	Measurement period
0-10 Ohm	90 mA/300mA	<10 V	0.5 mOhm $\pm 3\%$	30 ms
10-100 Ohm	90 mA/300mA	<10 V	5.0 mOhm $\pm 3\%$	20 ms
100-300 Ohm	90 mA/300mA	<10 V	20.0 mOhm $\pm 1\%$	12-18 ms

Durability of Kelvin Needle Blade type can differ depending on product material (e.g. ceramics), stroke setting and data preparation.

All information subject to change without notice. March 2014

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