

Coaxial Test Probes

Coaxial Test Probes – also known as Kelvin Test Probes – consist of two independent test probes which are insulated from each other. The inner conductor and outer probe operate and “give” independently of each other. Normally, the current flows via the outer probe, and the voltage drops are measured via the inner conductor.

In addition to a standard type which can be plugged in, we also offer a threaded type which can be screwed 2.0 mm in using a conventional tool (socket head wrench).



Series 5207 • 5207/G

- Four-pole measurement
- Compact design
- Screwable type
- Inner and outer conductor are spring-loaded independently of each other

Tip style • Diameter • Plating • Inner Contact



D	T
1.00 x 1.50 Au	1.00 x 0.50 Au

Mechanical Data • 5207 • 5207/G • Inner Contact

Center	6.50 mm / 256 mil
Full travel	3.50 mm
Working travel	3.00 mm
Pre-loaded spring force	0.80 N
Spring force at working travel	1.50 N

Mechanical Data • 5207 • 5207/G • Ring Contact

Center	6.50 mm/256 mil
Full travel	2.50 mm
Working travel	2.00 mm
Pre-loaded spring force	3.00 N
Spring force at working travel	5.00 N

Total Spring Force • Ring Contact / Inner Conductor

Full Spring Force at Working Travel	6.50 N
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Electrical Data • 5207 • 5207/G • Inner Contact

Max. current rating	1.0 A
Typical continuity resistance	≤ 10 mOhm
Typical insulating voltage	800 V

Electrical Data • 5207 • 5207/G • Ring Contact

Max. current rating	6.0 A
Typical continuity resistance	≤ 10 mOhm
Typical insulating voltage	800 V

Materials

Barrel	CuBe, gold-plated
Spring	Spring steel, silver-plated
Plunger (inner)	Steel, gold-plated
Plunger (ring)	CuBe, gold-plated
Receptacle	Brass, gold-plated
Connector	Brass, tin-plated

Recommended Diameter of Drill

H 5207	
HP 2361.1 (Trolitax)	4.69 mm
HGW 2372 (Glass filled Material)	4.70 mm
H 5207/G	
HP 2361.1 (Trolitax)	5.49 mm
HGW 2372 (Glass filled Material)	5.50 mm

How to order

5207 - **D** - **6.5 N** - **Au 1.0x 1.5/ 6.0 C**

1 2 3 4 5 6 7 8

1. Series 2. Tip style 3. Spring force 4. Tip plating 5. Internal contact diameter 6. Tip height 7. Ring contact diameter 8. Ring contact material (only for CuBe)

