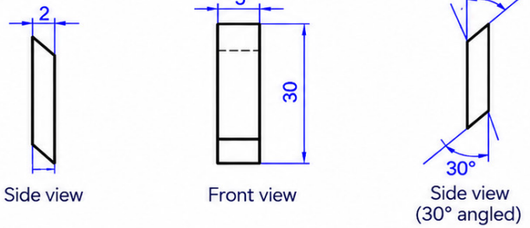
Platinum Electrodes

For Tracking Index Test Apparatus in Accordance with IEC 60112 / UL 2597 / ASTM D 3638



Front view

Dimensions



Side view | Front view | Side view (30° angled)

- Chisel-shaped electrodes with a 30° angled tip on both sides (5 mm side).
- Sharp, burr-free edges for reproducible test results.
- Smooth, clean surface, free from oxide, residues, scratches, and deformation.

Note: Dimensions in mm. Other variants available on request.

Made in Germany

Product Overview

Precision electrode pair made of high-quality platinum for tracking resistance testing in accordance with DIN EN IEC 60112.
The precisely defined electrode geometry, featuring chisel-shaped tips beveled on both sides, ensures consistent contact with the specimen surface and contributes to standardized test conditions and reliable, reproducible test results.
The electrodes are designed for determining the Proof Tracking Index (PTI) and Comparative Tracking Index (CTI) of solid electrical insulating materials.

Technical Data

Electrode material	Platinum (Pt), purity at least 99.95 %	**Pressing force**	1.00 ± 0.05 N per electrode; ensured by precision mechanical design
Number of electrodes	2 electrodes per set	**Total length**	30 mm
Cross-section	Rectangular: 5.0 ± 0.1 mm × 2.0 ± 0.1 mm	**Surface**	Smooth, clean, free of oxide, residues, grooves and deformations
Electrode tip	Chisel-shaped; 2 × 30° ± 2° bevelled on the 5-mm side	**Application**	CTI and PTI testing on solid electrical insulating materials
Tip edge	Sharp and burr-free; edge radius approx. 0.01 mm to 0.10 mm	**Standard**	IEC 60112:2025; applicable national adoption and device specifications
Working distance	4.0 ± 0.1 mm between the electrodes; adjustable in the test device		

Application Example

Use of precision electrodes in a tracking index test setup according to IEC 60112



Reproducible test results | Defined electrode geometry | Reliable quality testing | According to IEC 60112

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