Non-Contacting Electrostatic Probe Selection Chart

The patented design of Advanced Energy's Trek probes provides the largest possible signal strength to reduce noise and drift, and to maintain performance at wider probe-to-surface distances. Selection considerations:

- Aperture Size
- End and Side View
- Round and Square Bodied
- High Temperature
- High Resolution
- Transparent
- Special Purpose
- High Sensitivity
- High Vacuum
- Miniature

Trek Electrostatic Probe Options

Electrostatic Voltmeter Model	Probe Model	Dimensions (H x W x L) or (dia x L)	Body Shape / Aperture Location / Aperture Size	Special Feature	Speed of Response (Less Than)	Noise (rms) (Less Than)
Trek 320C 0 to ±100 V DC or peak AC						
	3250	30.5 x 28.7 x 57.2 mm	Square / side / 6.35 mm dia	High sensitivity	300 ms	5 mV (1:1 ratio)
Trek 323 0 to ±100 V DC or peak AC						
	6000B-8	9.5 dia x 68.6 mm	Round / side/ 1.33 mm dia	High sensitivity	300 ms	20 mV (1:1 ratio)
	6000B-16	10 .2 sq x 68.6 mm	Square / side / 1.32 mm dia	High sensitivity	300 ms	20 mV (1:1 ratio)
Trek 325 0 to ±40 V DC or peak AC						
	PD1216P	10 dia. x 56 mm	Round / side / 4.6 mm dia	High sensitivity	3 ms	1 mV (1:1 ratio)
Trek 341B 0 to ±20 kV DC or peak AC and **Trek P0865** 0 to ±100 V DC or peak AC						
	3450	11.8 x 11.1 x 76.2 mm	Square / side / 3.05 X 1.52 mm		200 µs	20 mV
	3453ST	11.8 x 11.1 x 76.0 mm	Square / side / 1.59 mm dia	High temperature (to 100°C) High vacuum		
	3455ET	11.8 x 11.1 x 76.2 mm	Square / end / 1.59 mm dia			
Trek 344 0 to ±2 kV DC or peak AC and **Trek 347** 0 to ±3 V DC or peak AC						
	555P-1	5.6 sq x 49.8 mm	Square / side / 2.56 mm dia	Miniature	3 ms	3 mV
	555P-2 555P-4	5.6 sq x 49.8 mm	Square / end / 1.17 mm dia	Miniature	4.5 ms	4 mV
	6000B-5C	11.2 dia x 69.7 mm	Round / end / 0.79 mm dia	High Resolution	4.5 ms	4 mV
	6000B-6	10.3 dia x 69.7 mm	Round / side / 0.79 mm dia	High Resolution	3 ms	3 mV
	6000B-7C	11.2 dia x 65.7 mm	Round / end / 1.32 mm dia		4.5 ms	4 mV
	6000B-8	9.5 dia x 68.6 mm	Round / side / 1.32 mm dia		3 ms	2 mV

ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. We design and manufacture highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

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