



TREK, INC. NON-CONTACTING ELECTROSTATIC PROBE SELECTION CHART

Electrostatic Voltmeter Model	Probe Model	Dimensions	Body Shape / Aperture Location / Aperture Size	Special Feature	Speed of Response (less than)	Noise (rms) (less than)
Model 320C 0 to ± 100 V DC or peak AC	3250	30.5 mm H 28.7 mm W 57.2 mm L	Square / side 6.35 mm dia.	High-sensitivity	300 ms	5 mV (1:1 ratio)
Model 323 0 to ± 100 V DC or peak AC	6000B-8	9.5 mm dia. 68.6 mm L	Round / side 1.32 mm dia.	High-sensitivity	300 ms	20 mV (1:1 ratio)
	6000B-16	10.2 mm sq. 68.6 mm L	Square / side 1.32 mm dia.	High-sensitivity	300 ms	20 mV (1:1 ratio)
Model 325 0 to ± 40 V DC or peak AC	PD1216P	10 mm dia. 56 mm L	Round / side 4.6 mm dia.	High-sensitivity	3 ms	1 mV (1:1 ratio)
Model 341B 0 to ± 20 kV DC or peak AC and Model P0865 0 to ± 10 kV DC or peak AC	3450	11.8 mm H 11.1 mm W 76.0 mm L	Square / side 3.05 mm X 1.52 mm		200 μ s	20 mV
	3453ST	11.8 mm H 11.1 mm W 76.2 mm L	Square / side 3.05 mm X 1.52 mm	High-temperature (to 100°C) High-vacuum	200 μ s	20 mV
	3455ET	11.8 mm H 11.1 mm W 76.2 mm L	Square / end 1.52 mm dia.	High-temperature (to 100°C) High-vacuum	200 μ s	20 mV
Model 344 0 to ± 2 kV DC or peak AC and Model 347 0 to ± 3 kV DC or peak AC	555P-1	5.6 mm sq. 49.8 mm L	Square / side 2.56 mm dia.	Miniature	3 ms	3 mV
	555P-4	5.6 mm sq. 49.8 mm L	Square / end 1.17 mm dia.	Miniature	4.5 ms	4 mV
	6000B-5C	11.2 mm dia. 65.7 mm L	Round / end 0.79 mm dia.	High-resolution	4.5 ms	4 mV
	6000B-6	10.3 mm dia. 69.7 mm L	Round / side 0.79 mm dia.	High-resolution	3 ms	3 mV
	6000B-7C	11.2 mm dia. 65.7 mm L	Round / end 1.32 mm dia.		4.5 ms	4 mV
	6000B-8	9.5 mm dia. 68.6 mm L	Round / side 1.32 mm dia.		3 ms	2 mV

The patented design of 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 include: Aperture Size • End View/Side View • Round and Square Bodied Probes • High-Temperature Probes • High-Resolution Probes • Transparent Probes • Special Purpose Probes • High-Sensitivity Probes • High-Vacuum Probes • Miniature Probes

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(Cont.) Model 344 0 to ±2 kV DC or peak AC and Model 347 0 to ±3 kV DC or peak AC	6000B-13C	10.2 mm sq. 63.7 mm L	Square / end 0.79 mm dia.	High-resolution	4.5 ms	4 mV
	6000B-14	10.2 mm sq. 68.6 mm L	Square / side 0.79 mm dia.	High-resolution	3 ms	3 mV
	6000B-15C	10.2 mm sq. 63.7 mm L	Square / end 1.32 mm dia.		4.5 ms	4 mV
	6000B-16	10.2 mm sq. 68.6 mm L	Square / side 1.32 mm dia.		3 ms	3 mV
	6300-7	11.8 mm H 11.1 mm W 76.2 mm L	Square / end 1.32 mm dia.	High-temperature (to 100°C)	6 ms	10 mV
	6300-8	11.8 mm H 11.1 mm W 76.2 mm L	Square / side 1.32 mm dia.	High-temperature (to 100°C)	4 ms	10 mV
Model 368A 0 to ±2 kV DC or peak AC and Model 370 0 to ±3 kV DC or peak AC	3800E-2	5.6 mm sq. 50 mm L	Square / end 1.85 mm dia.	Miniature	Model 368A is less than 200 µs and	Model 368A is less than 25 mV and
	3800S-2	5.6 mm sq. 50 mm L	Square / side 2.35 mm dia.	Miniature		
	3870ET-2	5.6 mm sq. 50 mm L	Square / end 1.85 mm dia.	Elevated- temperature (to 60°C)	Model 370 is less than 50 µs	Model 370 is less than 20 mV
	3870ST-2	5.6 mm sq. 50 mm L	Square / side 2.35 mm dia.	Elevated- temperature (to 60°C)		
Model 370 0 to ±3 kV DC or peak AC	7000ER	8.7 mm dia. 69.8 mm L	Round / end 1.60 mm dia.		50 µs	20 mV
Model 370TR 0 to ±3 kV DC or peak AC	3627	11.8 mm sq. 76.2 mm L	Square / side 1.5 mm X 3.0 mm		200 µs	20 mV
	3629A	11.8 mm sq. X 65.6 mm L	Square / side 5.3 mm dia.	Nonfringing Transparent	200 µs	20 mV

Probe cable length is 3048 mm ±76 mm (10 ft. ±3 in.).



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