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 µs	20 mV
	3453ST	11.8 mm H 11.1 mm W 76.2 mm L	Square / side 1.59 mm dia.	High-temperature (to 100°C) High-vacuum	200 µs	20 mV
	3455ET	11.8 mm H 11.1 mm W 76.2 mm L	Square / end 1.59 mm dia.	High-temperature (to 100°C) High-vacuum	200 µs	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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Electrostatic Voltmeter Model	Probe Model	Dimensions	Body Shape / Aperture Location / Aperture Size	Special Feature	Speed of Response (less than)	Noise (rms) (less than)
(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 370 is less than 50 µs	Model 368A is less than 25 mV and Model 370 is less than 20 mV
	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)		
	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.).

All specifications are subject to change. /1650

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