

TREK, INC. NON-CONTACTING ELECTROSTATIC PROBE SELECTION CHART



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 ±100V 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	3 mV
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
Model 323 0 to ±100V DC *Probes used with the Model 323 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 / side 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	3 mV
	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)	4.5 ms	10 mV
	6300-8	11.9 mm H 11.1 mm W 76.2 mm L	Square / side 1.32 mm dia.	High-temperature (to 100° C)	3 ms	10 mV

Use the information on this chart to select the features needed for your application. Probe cable length is 3048 mm ±76 mm (10 ft. ±3 in). *Speed of response and noise specifications for the Model 323 will vary from those listed. Models 344 and 347 speed of response specifications are performed using a 1 kV step.



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Model P0865 0 to ±10 kV DC or peak AC and Model 341B 0 to ±20 kV DC or peak AC	3450	11.8 mm H 11.1mm W 76.0 mm L	Square / side 3.05 mm x 1.52 mm		200µs	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)	200µs	20 mV
	3455ET	11.8 mm H 11.1 mm W 76.2 mm L	Square / end 1.52 mm	High- temperature (to 100° C)	200µs	20 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	Model 368A is less than 25 mV
	3800S-2	5.6 mm sq. 50 mm L	Square / side 2.35 mm dia.	Miniature		
	3870ET-2	5.6 mm H 5.6 mm W 50 mm L	Square / side 1.85 mm dia.	High- speed	Model 370 is less than 50 µs	Model 370 is less than 20 mV
	3870ST-2	5.6 mm H 5.6 mm W 50 mm L	Square / side 2.35 mm dia.	High- speed		
Model 370 0 to ±3 kV DC or peak AC	7000ER	8.7 mm sq. 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. 76.0 mm L	Square / side 1.5 mm x 3.0 mm		200 µs	20 mV
	3629A	21.9 mm sq. 14.3 mm H 87.5 mm L	Square / side 21.9 mm dia.	Nonfringing transparent	200 µs	20 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*

Trek application engineers can help solve many problems with custom designs and innovative solutions.

Please contact TREK, INC. for more information.



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