



North Star High Voltage
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PVM Series Portable High Voltage Probes to 100 kV DC

PVM series high voltage probes are designed for general use, and for exceptional high frequency response. The probes have applications ranging from automotive ignition to excimer laser system measurement to EMI measurement. They are factory calibrated, and they do not require adjustment. In general the probes are for use with 1 Megohm oscilloscopes, but we also offer an optional switch which can compensate for various measurement instruments such as 10 Megohm meters as well. These units are intended for a wide range of applications where portability and ease of use are essential.



Model Number	PVM-1	PVM-2	PVM-3	PVM-4	PVM-5	PVM-6	PVM-7	PVM-11	PVM-12	PVM-100
DC/Pulsed V (kV) Max	40/60	40/60	40/60	40/60	60/100	60/100	60/100	10/12	25/30	100/150
Max Freq. (Mhz.)	90	90	25	120	90	80	120	30	50	90
Rise (ns)	3.3	3.3	12	2.5	3.3	3.5	2.5	9	7	3.3
DC - 2 Hz accuracy	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
2 Hz - 200 Hz accuracy	1.0%	1.0%	2.0%	1.5%	1.0%	1.0%	1.5%	1.5%	1.5%	1.5%
200 Hz - 5 Mhz. accuracy	1.5%	1.5%	3%	2%	1.5%	1.5%	2%	2%	2%	2.0%
> 5 Mhz. Accuracy	4%	7%	4%	5%	4%	<7%*	<5%	<4%	<4%	5%
Input R/C (Megohm/pf)	400/13	400/13	400/10	400/8	400/12	400/12	400/8	100/15	300/7	600/15
Cable Length (ft./m)	15/4.5	30/9	100/30	15/4.5	15/4.5	30/9	15/4.5	15/4.5	15/4.5	15/4.5
Std Ratio	1000	1000	10,000	1000	1000	1000	1000	1000	1000	2000
Length (Inches/cm.)	19/47	19/47	19/47	19/47	19/47	19/47	19/47	7/18	9/23	23/57

Add -2 to part number for 2000:1. Drawings at <http://www.highvoltageprobes.com/downloads>
 -N In general will change the ratio but check on bandwidth/risetime changes in the specification.



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