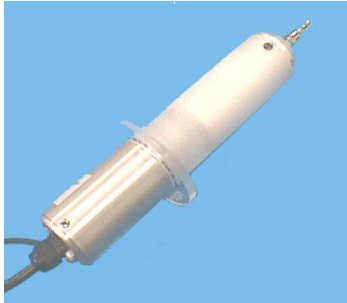




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## HV Probes Optimized for 13.56 Mhz



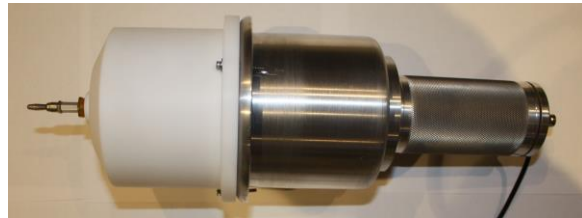
*PVM12HF*

### Measurements

The PVM-12HF and PVM-25Air are probes optimized for measurements of 13.56 Mhz high voltage systems. These systems are often found in semiconductor plants and in other materials' processing applications. Probes are often subject to inaccuracies due to resonances which can easily lead to 5

– 10 % errors in other probes. The HF series are calibrated to avoid resonances at 13.56 Mhz.

The 12HF probe is capacitive and the 25air is a full capability resistor-capacitor probe with an air capacitance. Users are reminded that probes such as these rely on close coupling between the probe and the voltage application point because the wavelength and inductance of the voltage source both matter at these frequencies for physical reasons which are independent of manufacture or manufacturer. These are oscilloscope probes, and use with any other device is not guaranteed. The bodies of both the PVM-12HF and the PVM-25Air are made from PTFE for microwave compatibility.



Model Number	PVM-12HF	PVM-25Air	
Peak V (kV)	7 kV	25	
DC capability	NO	Yes – 0.2 % accuracy	
Max Frequency (Mhz.)	28	50	
Cable Impedance (ohms)	50	75	
13.56 Mhz Accuracy	1%	3%	
100 kHz Accuracy	3%	3%	
Scope Termination	1 Meg	1 Meg	
Input C (pf)	8 pf	12 pf	
Cable Length (ft./m)	10 ft/3 m	10 ft/3 m	
Standard Divider Ratio	1000:1	1000:1	
Length (inches/cm.)	8"/20 cm (add 5 cm for strain relief)	12.5"/31 cm	