



Differential Bobbin Probe Technical Specifications

Probe head types: *Barnacle Scraper*: Flat nose, rigid probe for straight tubing applications. Stainless body with Titanium sleeve over coils. Torlon sleeve available for high frequency coils.
Chamfered Barnacle Scraper: Chamfered nose, rigid probe for straight tubing applications. Stainless body with Titanium sleeve over coils. Torlon sleeve available for high frequency coils.
Flexible: Flex member between conical probe tip and bobbin and between bobbin and shaft, wear resistant Torlon centering devices, for u-bend tubing applications.

Magnetic Bias: Available with no magnets, standard magnets, or saturation magnets.

Diameters: All typical tubing diameters are available in increments of 0.010 inch (0.25mm), commonly between 0.450 and 1.0 inch. For large or small diameters, please contact us for pricing and lead time. *VM Products has made bobbin probes with diameters larger than 3 inches and smaller than 1/8 inch!*

Frequencies: Typical frequency ranges are shown in the table below. Special frequencies are available upon request. Please contact us for pricing and lead time.

Description	Code	Delrin Bobbin	Ferritic Bobbin
Ultra Low Freq	ULF		1-150 kHz
Very Low Freq	VLF	5-100 kHz	
Low Freq	LF	20-200 kHz	10-500 kHz
Mid Range	MR	50-500 kHz	40-800 kHz
High Freq	HF	100 kHz – 1 MHz	

Shaft: Lengths to 150 feet (46 meters)
 3/8" (9.5 mm) type T nylon for flexible shaft
 1/4" (6 mm) or 5/16" (8 mm) type T nylon for small diameter probes
 5/16" (8mm) type H nylon for increased strength small diameter probes
 3/8" (9.5 mm) type H nylon for increased pushing strength, long life
 7/16" (11 mm) Polyethylene for high wear applications
 3/8" (9.5 mm) PX, high performance Polyethylene for greatest durability

VM Products is always interested in new applications. Please contact us with any special requirements.

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