

## Gaussmeter Probes for FH 26, FH 27, FH 46, FH 47

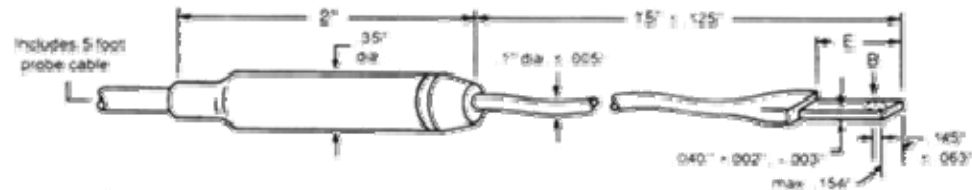
### Description

Our gaussmeter probes are designed to meet the electrical and mechanical requirements of virtually any application. Models are available for transverse (lines of flux moving perpendicular through the probe tip) and axial (magnetic lines of flux moving through the length of the probe) measurements. Cryogeni, magnaprobe and multi-axis probes are also available.

The probe style is generally dependent upon the measurement environment. The standard (fiberglass stem) is recommended for laboratory or light handling environments, while the Heavy duty (aluminum stem) is recommended for unknown or heavy handling environments. Custom probes available upon request.

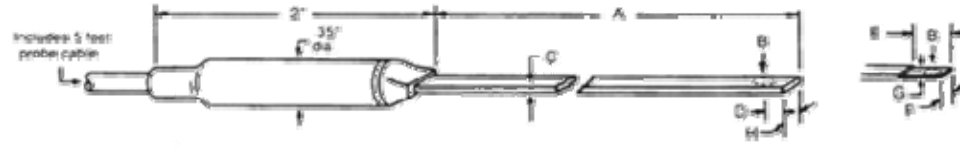
For customer convenience, most gaussmeter probes are available for delivery within one to two business weeks.

### Transverse Probes - Flexible for FH 26, FH 27, FH 46, FH 47



Notes: B = Field direction, E = Tip length, FSED = Flexible Stem Encapsulated Device

Model	Item Number	E	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
									Zero (°C)	Calibrate (°C)
HS-FTF99-0415	129956	550" ±0.063	FSED	0.25% to 30 kG	dc - 10 kHz	1X blue	0.070" dia.	0°C to +75°C	+0.09G	-0.04%
HS-FTM99-0415	129957			0.15% to 30 kG	dc - 400 Hz	10X red	0.040" dia.		±0.13G	±0.005%
HS-FTR99-0415	129958			1% to 100 kG						

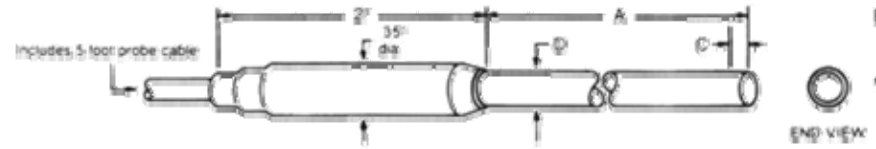


Notes: A = Stem length, H = Stem width, B = Field diameter, C = Stem Thickness, D = Distance from probe tip to sensing element, E = Tip length (Semi-rigid rubber stems), F = Tip width (semi-rigid rubber stems), G = Tip Thickness (semi-rigid rubber stems), n/a = not applicable, RGE = Rigid Glass Epoxy, Alum. = Aluminum, SRR = Semi-Rigid Rubber, Sens. = Sensitivity

Model	Item Number	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability		
															Temp. Stability	Calibration (°C)	
HS-STF99-0402	129937	2" ±0.063			0.145" ±0.063	n/a	n/a	n/a		0.25%	dc - 10 kHz	1X blue	0.070" dia.	0°C to +75°C	±0.09G	-0.04%	
HS-STF99-0404	129938	4" ±0.063															
HS-STM99-0402	129939	2" ±0.063	0.150	0.040"					RGE	0.15%	to 30 kG						
HS-STM99-0404	129940	4" ±0.063	±0.004	+0.000							dc - 400 Hz	10X red	0.040" dia.		±0.013 G	±0.005 %	
HS-STR99-0402	129941	2" ±0.063	4	-0.004							1%	to 100 kG					
HS-STR99-0404	129942	4" ±0.063															
HS-STA99-0404	129967	4" ±0.063								0.25%	to 10 kG		0.080" dia.				
HS-HTF99-0608	129943	8" ±0.0125	0.180" ±0.003	0.060" +0.000					Alum	0.25%	to 30 kG		1X blue		±0.09G	-0.04%	
HS-HTF99-0618	1299	8"		-0.004										0.070" dia.			



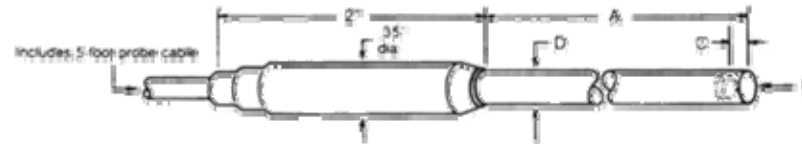
Transverse Probes - Cryogenic for FH 26, FH 27, FH 46, FH 47



Notes: A = Stem length, B = Field Direction, C = Distance from tip to sensing element, D = Stem diameter, SS = Stainless Steel

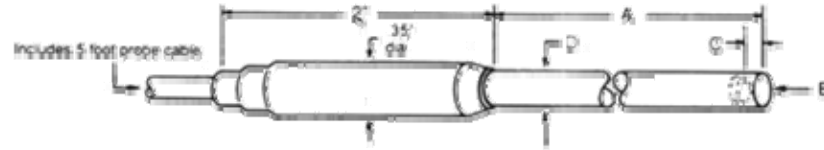
Model	Item Number	A	D	C	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
											Zero (°C)	Calibrate (°C)
HS-CTP99-3260	129949	60"	0.312"	0.320"	SS	1% to 30 kG	dc - 400 Hz	10X	0.040" dia.	-269°C to +75°C	±0.13G	±0.01%
HS-CTU99-3260	129950	±0.500	±0.500	±0.500	(310S)	2% to 100 kG						

Axial Probes - Flexible for FH 26, FH 27, FH 46, FH 47



Notes: A = Stem length, B = Field direction, C = Distance from tip to sensing element, D = Stem diameter, SS = Stainless Steel

Model	Item Number	A	D	C	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
											Zero (°C)	Calibrate (°C)
HS-FAA99-0915	129962	0.109" ±0.020	0.100" max.	0.015" ±0.010	CT	0.25% to 10 kG	dc - 10 kHz	1X blue	0.020" dia.	0°C to +75°C	±0.20G	-0.08%
HS-FAF99-1815	129963	1.000" ±0.010	0.180" +0.002 -0.004	0.180" +0.002 -0.004	AT	0.25% to 30 kG					0.030" dia.	±0.09G
HS-FAR99-1815	129965	±0.010	+0.002 -0.004	-0.004		1% to 100 kG	dc - 400 Hz	10X red	dia.		±0.13G	±0.005%

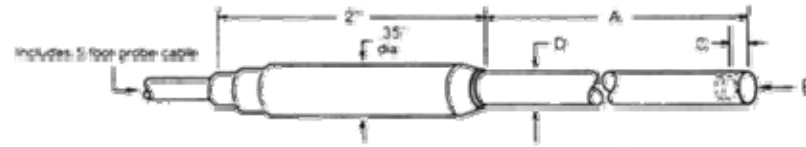


Notes: A = Stem length, B = Field direction, D = Stem diameter, C = Distance from tip to sensing element, CT = Ceramic Tip, AT = Aluminium Tip, Alom = Aluminium

Model	Item Number	A	D	C	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability							
										Zero (°C)	Calibrate (°C)						
HS-SAA99-0602	129900	2" ±0.063	0.060" +0.001 -0.003	0.015" ±0.010	0.25% to 10 kG	dc - 10 kHz	1X blue	0.020" dia.	0°C to +75°C	±0.20G	-0.08%						
HS-SAA99-0608	129901	8" ±0.125															
HS-SAA99-0802	129903	2" ±0.063															
HS-SAA99-0808	129904	8" ±0.125	0.080" ±0.003														
HS-SAA99-1202	129907	2" ±0.063															
HS-SAA99-1208	129908	8" ±0.125	0.120" +0.000 -0.005														
HS-SAA99-1218	129909	18" ±0.125															
HS-SAM99-1802	129915	2" ±0.063	0.180" +0.002 -0.004									0.15% to 30 kG	dc - 400 Hz	10X red	0.030" dia.		
HS-SAM99-1808	129916	8" ±0.125															
HS-SAR99-1802	129919	2"			1%												

		±0.063											
HS-SAR99-1808	129920	8" ±0.125				to 100 kG							
HS-PAA99-1908	129968	8" ±0.125	0.187" +0.002 -0.004	0.032 typical		0.25% to 10 kG	dc to 50 kHz max.		0.040" dia.				
HS-SAF99-1802	129911	2" ±0.063				0.25% to 30 kG		1X blue				±0.09G	-0.04%
HS-SAF99-1808	129912	8" ±0.125	0.180" +0.002 -0.004				dc to 10 kHz						
HS-HAM99-2502	129927	2" ±0.063											
HS-HAM99-2508	129928	8" ±0.125				0.15% to 30 kG	dc to 400 Hz	10X red	0.030" dia.			±0.13G	±0.005%
HS-HAR99-2508	129932	8" ±0.125	0.250" ±0.005	0.015" ±0.010									
HS-HAF99-2502	129923	2" ±0.063				0.25% to 30 kG							
HS-HAF99-2508	129924	8" ±0.125					dc to 10 kHz	1X blue				±0.09G	-0.04%

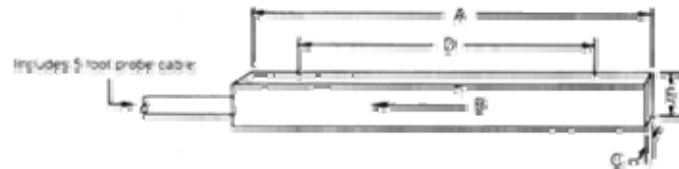
Axial Probes - Cryogenic for FH 26, FH 27, FH 46, FH 47



Notes: A = Stem length, B = Field direction, C = Distance from tip to sensing element, D = Stem diameter, SS = Stainless Steel

Model	Item Number	A	D	C	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
											Zero (°C)	Calibrate (°C)
HS-CAP99-2560	129935	60"	0.250"	0.025"	SS (310S)	1% to 30 kG	dc - 400 Hz	10X	0.030" dia.	-269°C to +75°C	±0.13G	±0.01%
HS-CAU99-2560	129936	±0.500	±0.005	±0.005		2% to 100 kG						

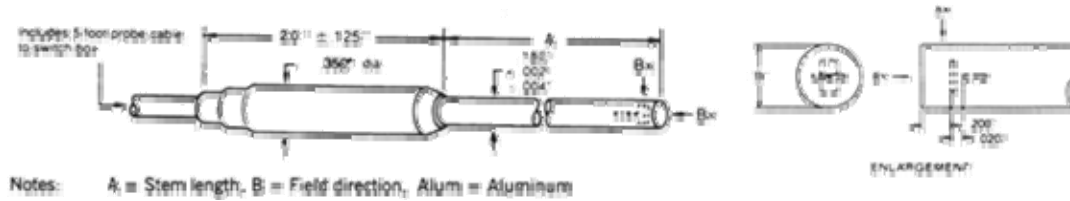
Magnaprobe for FH 26, FH 27, FH 46, FH 47



Notes: A = Stem length, B = Field direction, C = Distance from tip to sensing element, D = Distance between flux concentrators

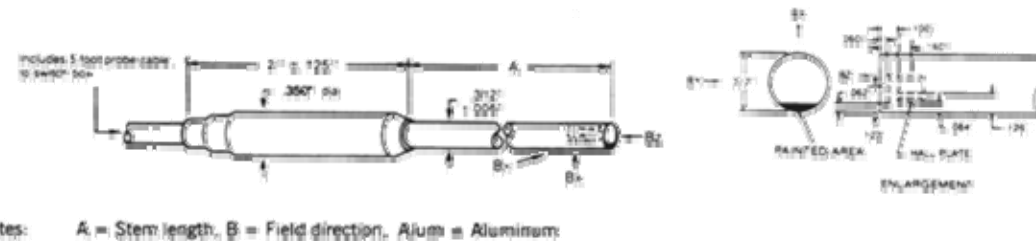
Model	Item Number	A	E	C	D	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
											Zero (°C)	Calibrate (°C)
HS-MOX99-2506	129966	9" ±0.030	0.480" ±0.030	0.250" ±0.010	6"	0.5% to 2 G	dc - 5 kHz	0.01X	6" x 0.25"	0°C to +75°C	±0.01G	-0.5%

## Two Axis Probe for FH 27, FH 47



Model	Item Number	A	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
									Zero (°C)	Calibrate (°C)
HS-YOA99-1802	129975	2" ±0.063	Alum	0.25% to 10 kG	dc - 400 Hz	1X	0.020" dia.	0°C to +75°C	±0.10G	±0.04%
HS-YOA99-1808	129976	8" ±0.125								

## Three Axis Probe for FH 27, FH 47



Model	Item Number	A	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Active Area (Nom.)	Temp. Range	Temp. Stability	
									Zero (°C)	Calibrate (°C)
HS-ZOA99-3202	129979	2" ±0.063	Alum	0.25% to 10 kG	dc - 400 Hz	1X	0.060" dia.	0°C to +75°C	±0.10G	±0.04%
HS-ZOA99-3208	129980	8" ±0.125								