

Series 7000 Gaussmeter Probes

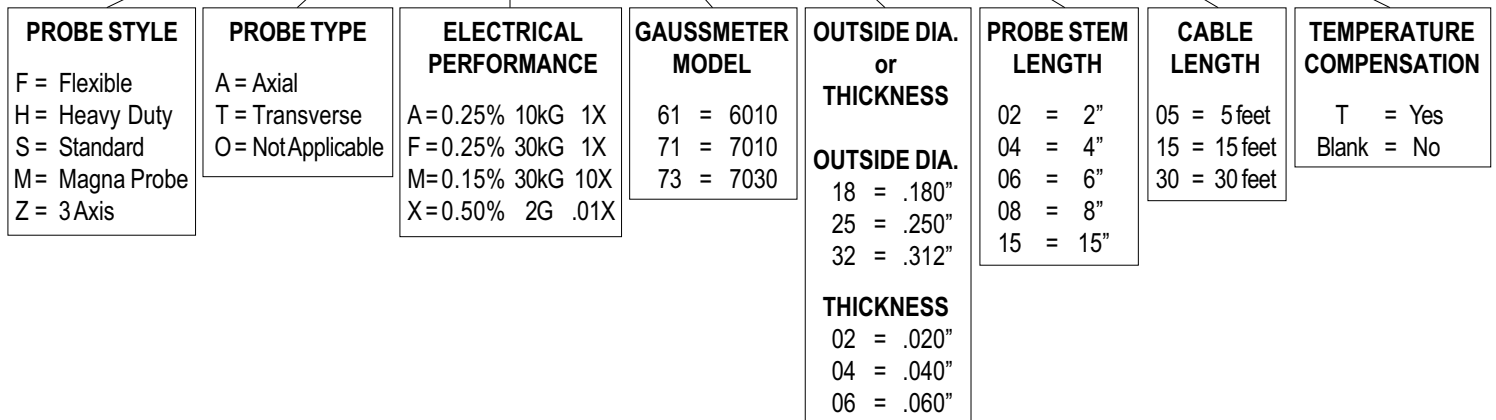
Description

F.W. Bell's fifth generation 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. *Cryogenic*, *magnaprobe* and *multi-axis* probes are also available.

The probe style is generally dependent on the measurement environment. The Standard (fiberglass stem) style is recommended for laboratory or light-handling environments. The Heavy Duty (aluminum stem) style is recommended for heavy-handling or unknown environments. Custom probes are available upon request.

Each probe model is designated with an alphanumeric model number. The chart below shows the significance of each letter and numeral. The probes are assembled and calibrated at the factory to match the input characteristics of each Gaussmeter.

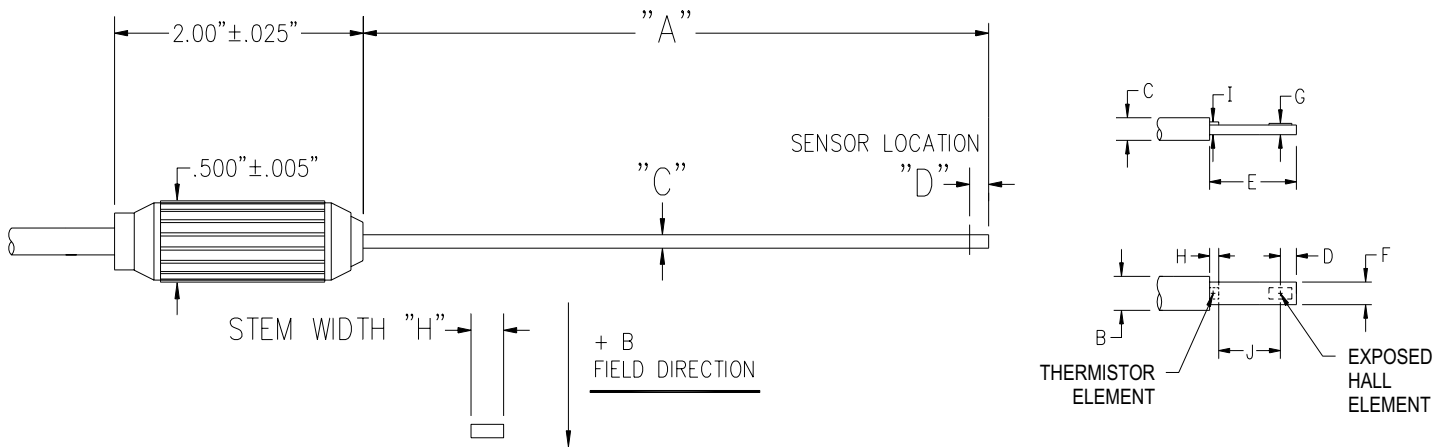
HTF71 - 0608 - 05 - T



Division of Bell Technologies, a SYPRIS company

Gaussmeter Probes Specifications

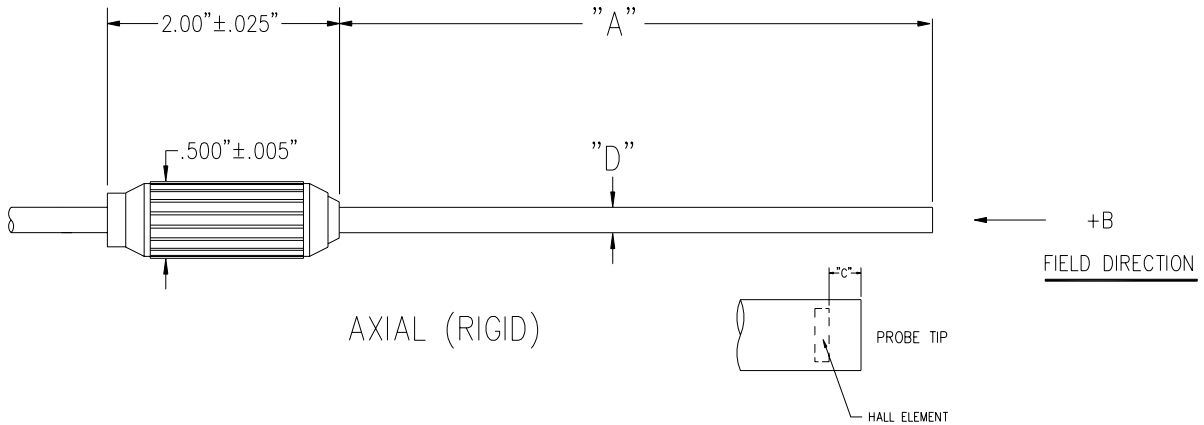
Transverse Probes



Model	Price	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)	
															Zero (°C)	Calibrate (°C)
HTF71-0608-05		8" ± .063	.180" ±.003	0.060" +0 -0.004					A L U M I N U M	0.25% to 30kG	dc to 20kHz	1X	0.070" dia	0°C to +75°C	±0.09G	-0.04%
HTF71-0608-15	8" ± .063															
HTF71-0608-30	8" ± .063															
HTF71-0608-05-T	8" ± .063															
HTF71-0608-15-T	8" ± .063															
HTF71-0608-30-T	8" ± .063															
HTM71-0608-05	8" ± .063															
HTM71-0608-15	8" ± .063															
HTM71-0608-30	8" ± .063															
HTM71-0608-05-T	8" ± .063															
HTM71-0608-15-T	8" ± .063															
HTM71-0608-30-T	8" ± .063															
STF71-0402-05		2" ± .063	.150" ±0.020		.150" ±0.020	N/A	N/A	N/A	R I G I D G L A S S	0.25% to 30kG	dc to 20kHz	1X	0.070" dia	±0.09G	-0.04%	
STF71-0402-15	2" ± .063															
STF71-0402-30	2" ± .063															
STF71-0402-05-T	2" ± .063															
STF71-0402-15-T	2" ± .063															
STF71-0402-30-T	2" ± .063															
STF71-0404-05	4" ± .063															
STF71-0404-15	4" ± .063															
STF71-0404-30	4" ± .063															
STF71-0404-05-T	4" ± .063															
STF71-0404-15-T	4" ± .063															
STF71-0404-30-T	4" ± .063															
STM71-0402-05		2" ± .063	.150" ±0.004"	0.040 +0 -0.004					E P O X Y	0.15% to 30kG	dc to 400Hz	10X	0.040" dia	±0.13G	±0.005%	
STM71-0402-15	2" ± .063															
STM71-0402-30	2" ± .063															
STM71-0402-05-T	2" ± .063															
STM71-0402-15-T	2" ± .063															
STM71-0402-30-T	2" ± .063															
STM71-0404-05	4" ± .063															
STM71-0404-15	4" ± .063															
STM71-0404-30	4" ± .063															
STM71-0404-05-T	4" ± .063															
STM71-0404-15-T	4" ± .063															
STM71-0404-30-T	4" ± .063															
STF71-0204-05		4" ± .063	.155" ±0.005	0.040" +0.002 -0.009	0.130" ±0.008	.375" ±0.063	0.130" ±0.003	0.020" ±0.003	S E M I R I G I D	0.25% to 30kG	dc to 20kHz	1X	0.070" dia	±0.090G	-0.04%	
STF71-0204-15	4" ± .063															
STF71-0204-30	4" ± .063															
STF71-0204-05-T	4" ± .063															
STF71-0204-15-T	4" ± .063															
STF71-0204-30-T	4" ± .063															
STM71-0204-05	4" ± .063															
STM71-0204-15	4" ± .063															
STM71-0204-30	4" ± .063															
STM71-0204-05-T	4" ± .063															
STM71-0204-15-T	4" ± .063															
STM71-0204-30-T	4" ± .063															

Gaussmeter Probes Specifications

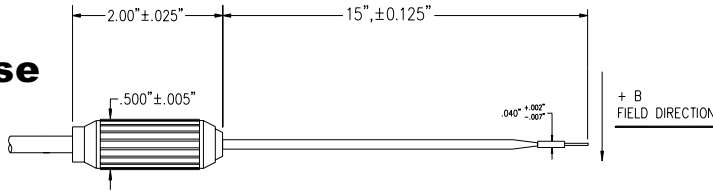
Axial Probes



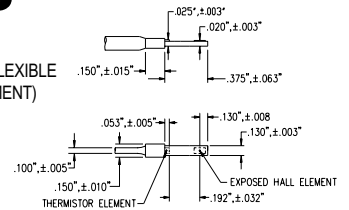
Model	Price	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)	
															Zero (°C)	Calibrate (°C)
HAF71-2502-05		2"±.063	N/A	.015" ±0.010	.250" ±.005	N/A	N/A	N/A	A L L U M I N U M	0.25% to 30kG	dc to 20kHz	1X	.030" dia	0°C to +75°C	±.09G	-0.04%
HAF71-2502-15		2"±.063														
HAF71-2502-30		2"±.063														
HAF71-2502-05-T		2"±.063														
HAF71-2502-15-T		2"±.063														
HAF71-2502-30-T		2"±.063														
HAF71-2508-05		8"±.063														
HAF71-2508-15		8"±.063														
HAF71-2508-30		8"±.063														
HAF71-2508-05-T		8"±.063														
HAF71-2508-15-T		8"±.063														
HAF71-2508-30-T		8"±.063														
HAM71-2502-05		2"±.063														
HAM71-2502-15		2"±.063														
HAM71-2502-30		2"±.063														
HAM71-2502-05-T		2"±.063														
HAM71-2502-15-T		2"±.063														
HAM71-2502-30-T		2"±.063														
HAM71-2508-05		8"±.063														
HAM71-2508-15		8"±.063														
HAM71-2508-30		8"±.063														
HAM71-2508-05-T		8"±.063														
HAM71-2508-15-T		8"±.063														
HAM71-2508-30-T		8"±.063														
SAF71-1802-05		2"±.063														
SAF71-1802-15		2"±.063														
SAF71-1802-30		2"±.063														
SAF71-1802-05-T		2"±.063														
SAF71-1802-15-T		2"±.063														
SAF71-1802-30-T		2"±.063														
SAF71-1808-05		8"±.063														
SAF71-1808-15		8"±.063														
SAF71-1808-30		8"±.063														
SAF71-1808-05-T		8"±.063														
SAF71-1808-15-T		8"±.063														
SAF71-1808-30-T		8"±.063														
SAM71-1802-05		2"±.063														
SAM71-1802-15		2"±.063														
SAM71-1808-30		2"±.063														
SAM71-1802-05-T		2"±.063														
SAM71-1802-15-T		2"±.063														
SAM71-1802-30-T		2"±.063														
SAM71-1808-05		8"±.063														
SAM71-1808-15		8"±.063														
SAM71-1808-30		8"±.063														
SAM71-1808-05-T		8"±.063														
SAM71-1808-15-T		8"±.063														
SAM71-1808-30-T		8"±.063														

Gaussmeter Probes Specifications

Transverse Flexible Probes

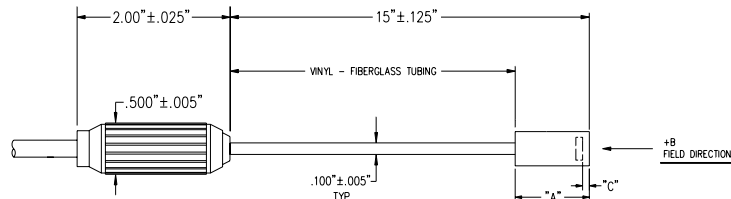


TRANSVERSE FLEXIBLE (EXPOSED ELEMENT)



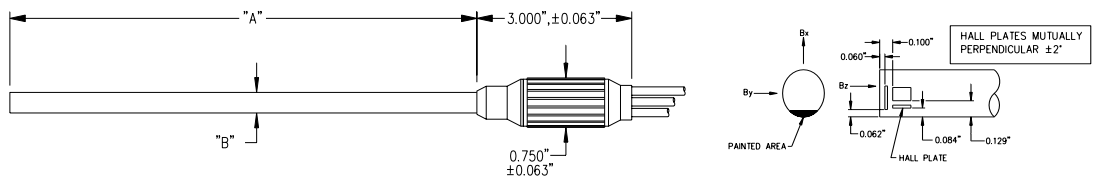
Model	Price	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)									
															Zero (°C)	Calibrate (°C)								
FTF71-0215-05		N/A	N/A	N/A	N/A	.375" ±0.063	N/A	N/A	F S E D	0.25% to 30kG	dc to 20kHz	1X	0.070" dia.	0°C to +75°C	±0.09G	-0.04%								
FTF71-0215-15																								
FTF71-0215-30																								
FTF71-0215-05-T																								
FTF71-0215-15-T																								
FTF71-0215-30-T																								
FTM71-0215-05										N/A	N/A	N/A	N/A	.375" ±0.063	N/A	N/A	F S E D	0.15% to 30kG	dc to 400Hz	10X	0.040" dia.	0°C to +75°C	±0.13G	±.005%
FTM71-0215-15																								
FTM71-0215-30																								
FTM71-0215-05-T																								
FTM71-0215-15-T																								
FTM71-0215-30-T																								

Axial Flexible Probes



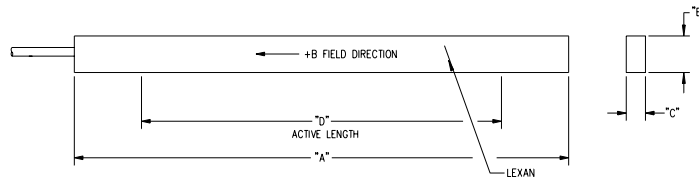
Model	Price	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)									
															Zero (°C)	Calibrate (°C)								
FAF71-1815-05		1.00" ±0.10	N/A	0.015" ±0.010	0.180" +0.002 -0.004	N/A	N/A	N/A	A L U M I N U M T I P	0.25% to 30kG	dc to 20kHz	1X	0.030" dia	0°C to +75°C	±0.09G	-0.04%								
FAF71-1815-15																								
FAF71-1815-30																								
FAF71-1815-05-T																								
FAF71-1815-15-T																								
FAF71-1815-30-T																								
FAM71-1815-05										1.00" ±0.10	N/A	0.015" ±0.010	0.180" +0.002 -0.004	N/A	N/A	N/A	A L U M I N U M T I P	0.15% to 30kG	dc to 400HZ	10X	0.030" dia	0°C to +75°C	±0.13G	±.005%
FAM71-1815-15																								
FAM71-1815-30																								
FAM71-1815-05-T																								
FAM71-1815-15-T																								
FAM71-1815-30-T																								

Standard 3-Axis Probes



Model	Price	A	H	C	B	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)	
															Zero (°C)	Calibrate (°C)
ZOA73-3208-05		8.0"	N/A	N/A	0.312	N/A	N/A	N/A	Alum.	N/A	dc to 400Hz	1X	.060" Dia (NOM)	0°C to +75°C	±0.1G	-0.040%
ZOA73-3208-05-T		±0.125			±0.005											

Magnaprobes



Model	Price	A	H	C	D	E	F	G	Stem	Linearity % of Reading	Frequency Range	Sensitivity	Nominal Active Area	Oper. Temp Range	Temp. Stability (Max)	
															Zero (°C)	Calibrate (°C)
MOX71-2506-05		9"±.030	N/A	.250"±.010	6"	.480"±.030	N/A	N/A	Lexan	.5% to 2G	dc to 400Hz	.01X	6"x.25"	0°C to +75°C	±.070G	-0.04%
MOX71-2506-15																
MOX71-2506-30																
MOX71-2605-05-T																
MOX71-2506-15-T																
MOX71-2506-30-T																