



- Actuators
- Gaussmeters**
- Motors
- Position sensors
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- Power generation

# Gaussmeter probes 9640 series

## Contact

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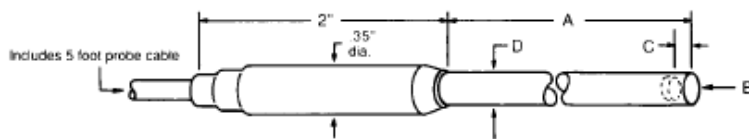
[www.meggitt.com](http://www.meggitt.com)

[www.fwbell.com](http://www.fwbell.com)

[www.oeco.com](http://www.oeco.com)

The fourth generation gaussmeter probes are designed to meet the electrical and mechanical requirements of virtually any application. Models are available for transverse and axial probes. The probe style is generally dependent upon the measurement environment. Custom probes are available upon request.

### AXIAL PROBES - Rigid



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

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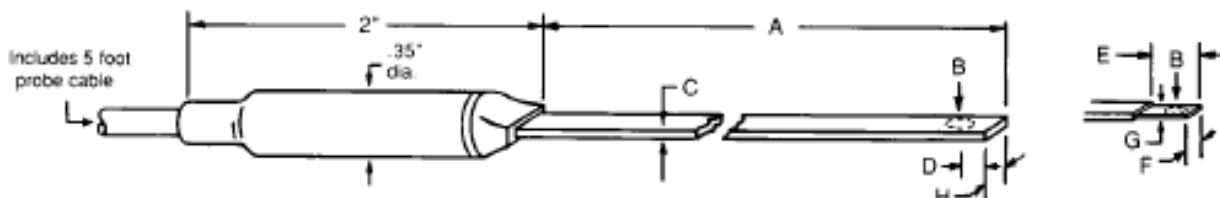
# Gaussmeter probes

## 9640 series

### Axial specifications

	<b>SAB4-1802</b>	<b>SAB4-1808</b>
A	2"	8"
B		0.180" ± .004"
C		0.015" ± .010
Stem material	Aluminum	
Corrected linearity	1% to 10 kG	
Sensitivity	1X	
Active area	0.030" DIA nominal	
Operating temperature range	0° C to 75° C	
Temperature stability – zero	±0.13 Gauss / ° C	
Temperature stability – calibrate	-0.04 % / ° C	
Frequency response	DC to 5 kHz	

### TRANSVERSE PROBES - Rigid



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

### Transverse specifications

	<b>STB4-0402</b>	<b>STB4-0404</b>	<b>HTB4-0608</b>
A ± .063"	2"	4"	8"
H	0.150" ± .004"	0.150" ± .004"	0.180" ± .003"
C	.040 ± .004	.040 ± .004	.060 ± .004
Stem material	Rigid glass epoxy	Rigid glass epoxy	Aluminum
Corrected linearity	1% to 10 kG		
Sensitivity	1X		
Active area	0.070" DIA nominal		
Operating temperature range	0° C to 75° C		
Temperature stability – zero	±0.09 Gauss / ° C		
Temperature stability – calibrate	-0.04 % / ° C		
Frequency response	DC to 5 kHz		DC to 2 kHz