

Model 6010 UltraThin Hall-Effect Probe



Description

The Model 6010 UltraThin Hall-effect gaussmeter probe represents the latest innovations and state-of-the-art designs from the world leader in magnetic measurement equipment. Utilizing a very thin instrument grade Hall sensor, with an active area of 0.005" (0.127 mm), the UltraThin probe provides DC to 200 Hz magnetic field measurements up to 30 kG with a linearity accuracy of 0.5% of reading.

The Model 6010 UltraThin Hall-effect probes are precision solid-state magnetic field sensors, designed for use with F.W. Bell 6000 Series gaussmeters, to provide stable and repeatable transverse magnetic flux density measurements.

Applications

- Loudspeaker Voice Coil Inspection
- Point Source Measurement
- Quality Control
- Multi-Poled Magnets
- Miniature Magnet Inspection
- Research & Development
- Thin Air Gap Assemblies
- Medical Applications
- Environmental Measurements

Specifications

Electrical

Linearity Accuracy	0.5% to 30 kG
Active Area	0.005" (0.127 mm), Diameter, Nominal
Temperature Range (Operating)	0° C to +75° C
Temperature Stability	
Zero	± 0.55 gauss/°C (max), $\pm 3\mu\text{V}/^\circ\text{C}$
Calibration	-0.07%/°C
Frequency Response	DC to 200 Hz

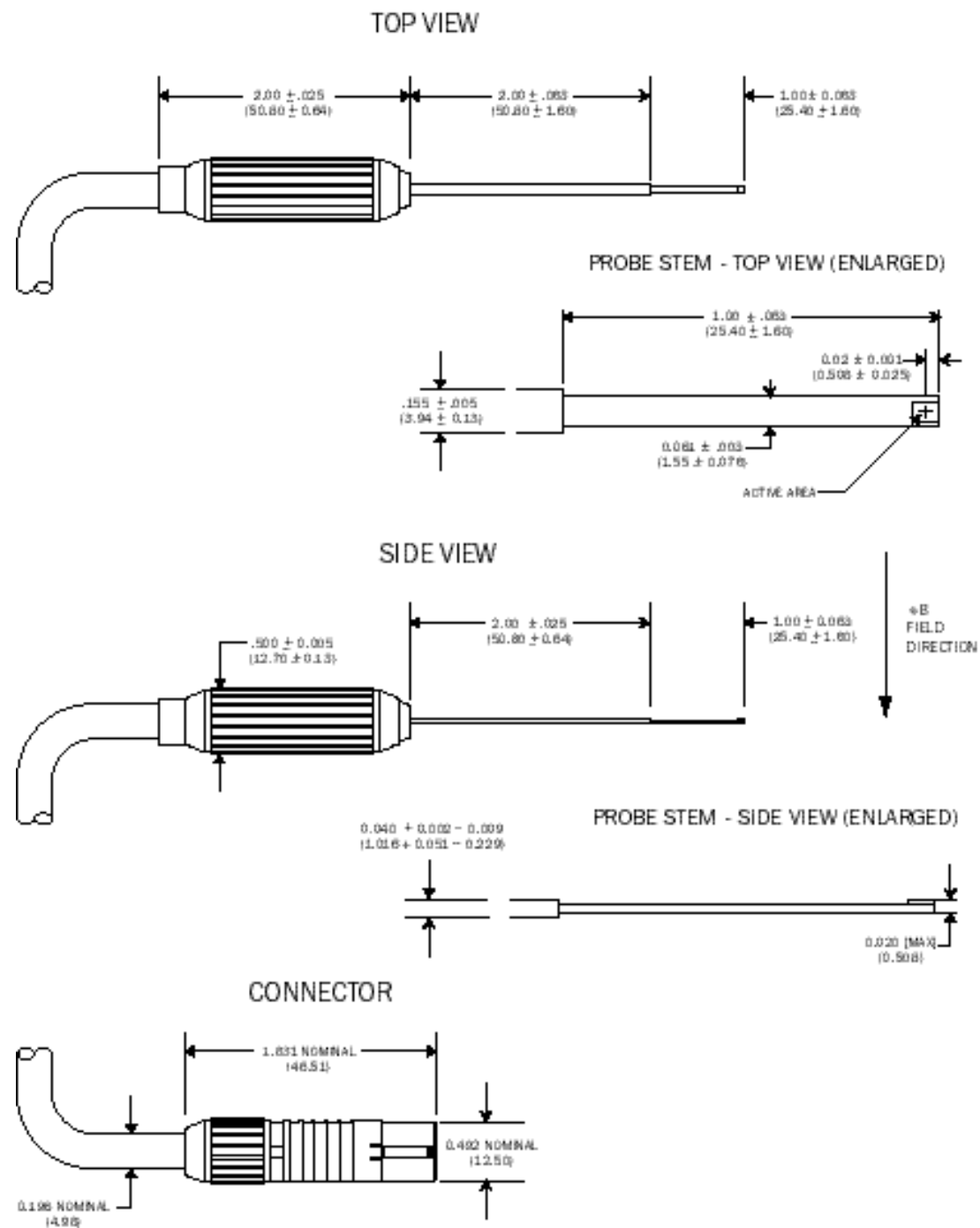
Mechanical

Stem Base	G10 Rigid Glass Epoxy
Stem Tip	Kapton Lead Strip
Cable Length (standard sizes)	5', 15' and 30'

Note: Due to continuous process improvement, specifications subject to change without notice

Mechanical Dimensions

All dimensions are in inches (millimeters)



Hall Effect Probes

Note: Due to continuous process improvement, specifications subject to change without notice.