

# Application Note

## SH50050 Series Ceramic Tilt Sensor – Settling Time and Cross Coupling Graphs

### SCOPE

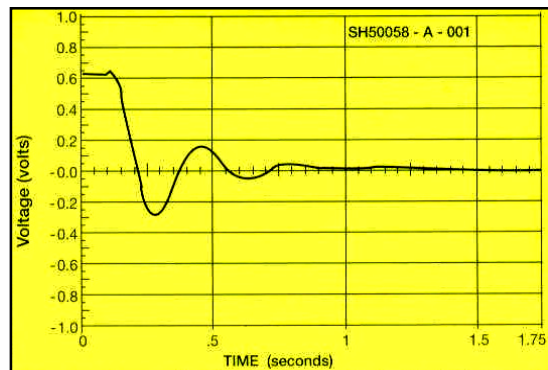
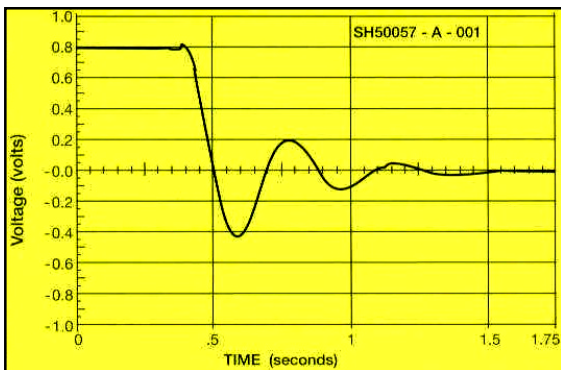
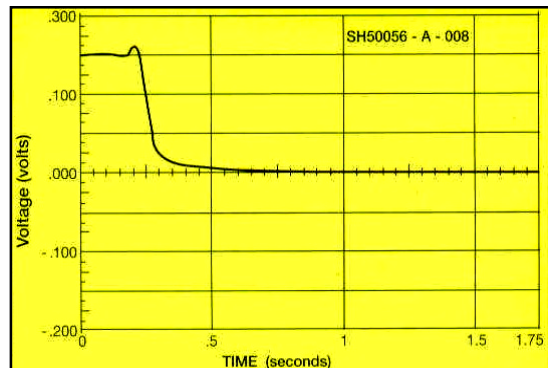
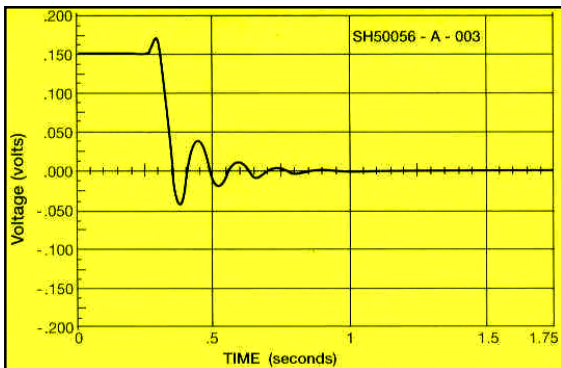
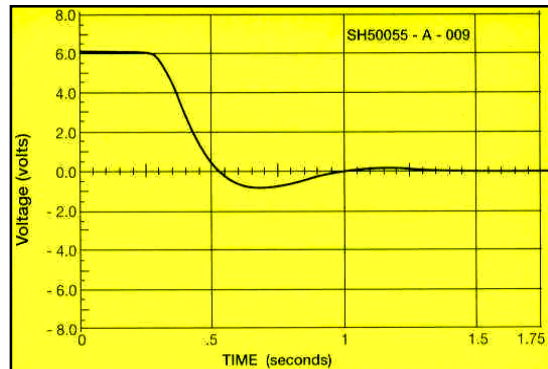
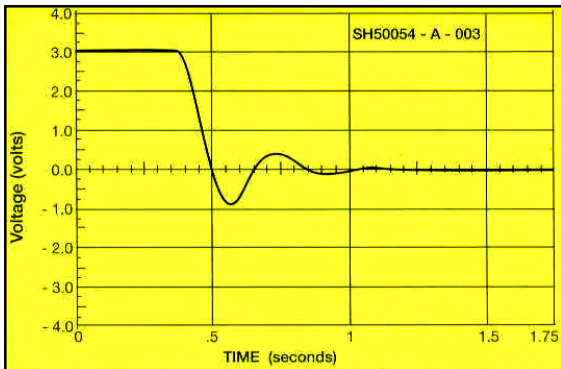
The following graphs and chart depict the typical output response of the appropriate model sensor, for 'Settling Time' and 'Cross Coupling'. Please note that the Cross Coupling chart refers strictly to the SH50056 model sensor only!

### DEFINITIONS

**Settling Time** – the amount of time it takes for the sensor output to stabilize to within 1% of its quiescent value, after a stepped movement.

**Cross Coupling** – the maximum deviation of the sensitive axis output, as the sensor is tilted in its orthogonal (perpendicular) axis.

### SETTLING TIME GRAPHS



### SPECTRON GLASS AND ELECTRONICS INC.

595 OLD WILLETS PATH  
HAUPPAUGE NY 11788  
PHONE: 631 582-5600  
FAX: 631 582-5671



**Specifications are subject to change without notice!**

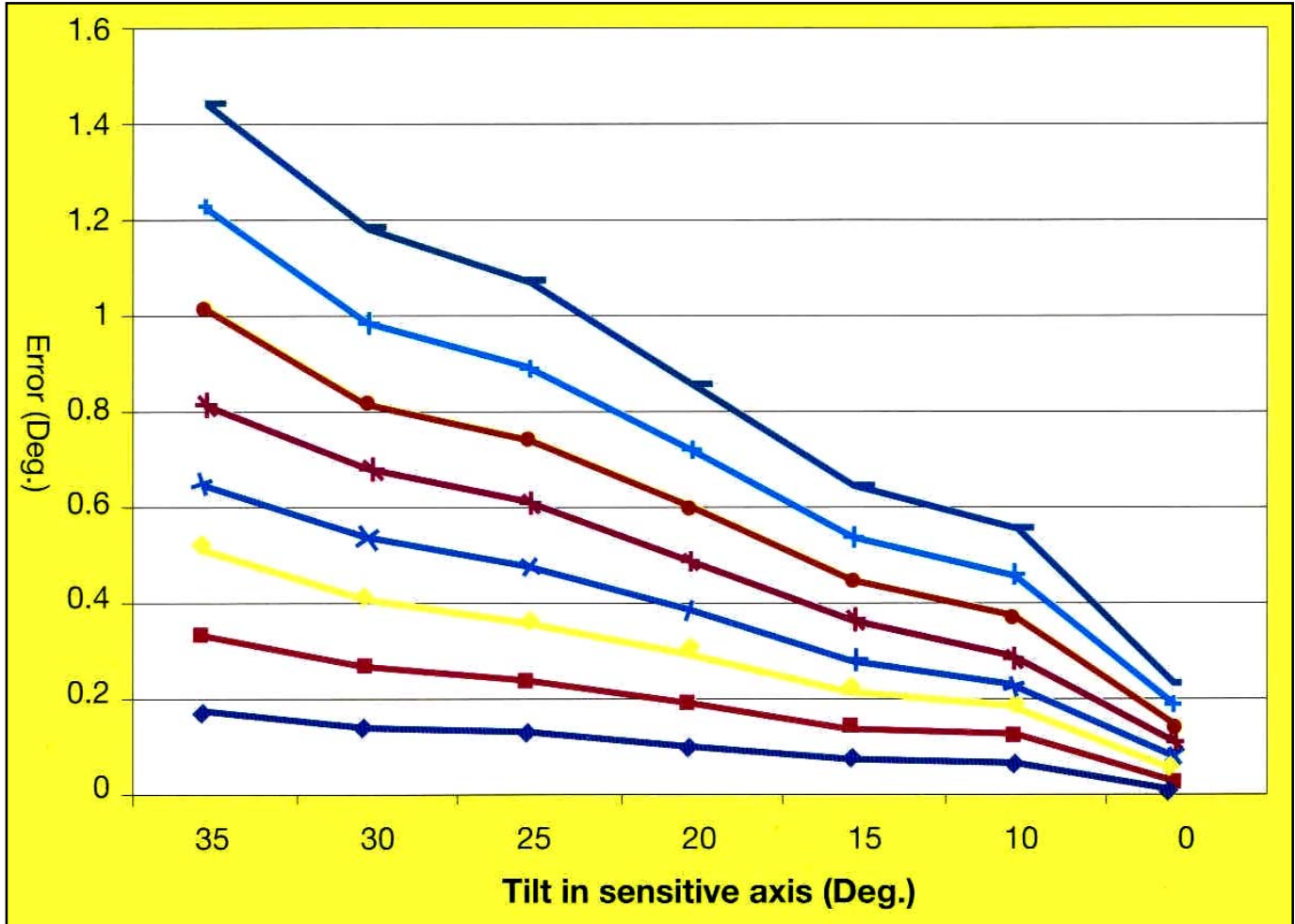
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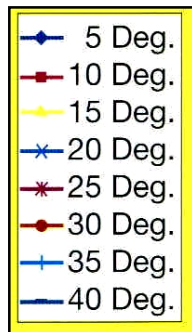
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**CROSS COUPLING** (Note; applicable to SH50056 model only!)



### LEGEND



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