



0703-1601-99

TrueTILT™ Mid-Range Single Axis, Linear Output, Electrolytic Tilt Sensor

The 0703-1601-99 TrueTILT™ sensor is designed for applications requiring highly repeatable mid-range angle measurement and a linear output. Long-term stability over its angle and temperature range is a distinctive characteristic of this sensor. The 0703-1601-99 uses patented technology and construction to provide an accurate and robust angle sensor at an attractive price with excellent sensor-to-sensor repeatability and reliability. Unparalleled performance and features compared to any other commercially available product.



Specifications

Linear Operating Range	$\pm 10^\circ$
Total Operating range	$\pm 25^\circ$
Max. Deviation from Linearity	$\leq 0.01^\circ$ (from 0° to 3°)
	1% (from 3° to 10°)
Null Repeatability	≤ 3 arc seconds
Mounting Offset ¹	$\leq 1^\circ$
Null Impedance (nominal) ²	50k Ω @ 25°C
Operating Temperature (full specification).....	-20°C to +50°C
Temperature Coefficient (null).....	1.5 arc seconds / °C
Temperature Coefficient (Scale).....	0.075% / °C
Operating Temperature (reduced specification).....	-40°C to +85°C
Storage Temperature.....	-40°C to +85°C

¹ Difference between electrical and mechanical null

² Measured left to right electrode. Impedance of the electrolyte may be changed to limit null current.

