

Tilt Sensors & Assemblies

Robust – Easy – Accurate

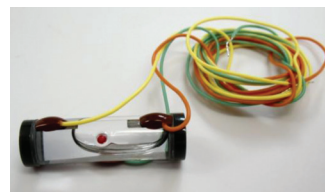
For more accurate tilt sensing and measurement in challenging applications, Fredericks' electrolytic sensors and assemblies eliminate drift and combine durability with future-proof availability.

- Ratiometric measurement simplifies design
- Eliminates drift over time and temperature
- Requires minimal low-cost external components
- Measurement range from $\pm 2^\circ$ to 180°
- Resolution down to 0.05'
- Temperature range from -60°C to 120°C ,
- No moving parts ensures long lifetimes
- Durability against vibration, shock & humidity
- Typical applications: Aerospace, auto-levelling, construction earth drilling & solar tracking



Jeff Gurr - Product Specialist

Type	Range	Application	Angle Range (degrees)	Max. Resolution (arc-seconds)
TrueTILT®	Narrow	Precision Levelling	$\pm 2^\circ$	1'
Glass	Narrow	Precision Levelling	$\pm 1^\circ$ to $\pm 5^\circ$	0.05'
TrueTILT®	Mid	Angle Measurement	25°	1'
Glass	Mid	Angle Measurement	$\pm 9^\circ$ to $\pm 12^\circ$	1'
TrueTILT® Dual Axis	Wide	Angle Measurement	$\pm 25^\circ$ to $\pm 60^\circ$	12'
Glass	Wide	Angle Measurement	$\pm 25^\circ$ to $\pm 70^\circ$	1'
Micro-Arc	Micro	Angle Measurement	180°	12'



Learn more about Electrolytic Tilt Sensors

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