



Since
1917

Inclinometers & Tilt Sensing Instruments

Rieker Inc.

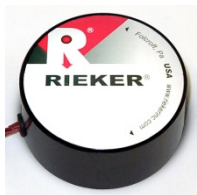


Since 1917, Rieker Inc. has been providing solutions for all your tilt sensing needs, designing and manufacturing accurate, rugged & reliable inclinometers,

boom angle indicators, custom slip indicators, and tilt warning switches.

The products in this brochure meet a variety of applications. If you have an application that requires custom specifications, please contact us today with your requirements.

Rieker Rugged. Rieker Reliable.™

H4 Series 	Single Axis Inclinator, 0..5VDC, 4..20mA or RS232 Output - Die-cast Zinc Metal Housing, IP67 - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Analog 4..20mA, 0..5VDC - Digital Serial RS232 8..30VDC Non-regulated Input Supply - Angle Range: up to 360° - Common Footprint - EMC Protected
H4PD1 	Dual Axis Inclinator, Digital Pulse Width Modulated Output - Die-cast Zinc Metal Housing, IP67, mounts horizontally - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Digital PWM Output - Angle Range: ±10° (22° max) - Common Footprint - EMC Protected
H5 Series 	Single Axis Inclinator, 0..5VDC & 0..10VDC Output - Machined Aluminum, IP67 - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Analog 0..5VDC & 0..10VDC 8..30VDC Non-regulated Input Supply - Angle Range: up to ±90° - EMC Protected
Flex Series (H6) 	Dual Axis, 4..20mA, RS485, CAN Output - Dual Axis Inclinator - Die-cast Aluminum, IP68 - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Analog 4..20mA - Digital RS485 - CAN 8..30VDC Non-regulated Input Supply - Angle Range: scalable up to ±75° - EMC Protected - CE Mark

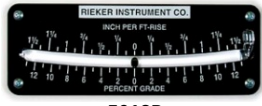
INDUSTRIES

- | | |
|---|--|
| <ul style="list-style-type: none"> Aerospace & Defends Agriculture Aviation Automotive Civil Engineering Construction Government | <ul style="list-style-type: none"> Industrial Automation Marine Military Mining Offshore Transportation. |
|---|--|

RDI Digital Inclinometer	LCD display, Angle Monitoring & Early Tilt Warning System
	- Die-cast Aluminum Housing, Black Finish - Single or Dual Axis Stand alone or Remote Sensor Packages - ALL-Weather Remote Sensor Box 0..5V, RS232, up to 4 Open Collector switch outputs (12 or 24VDC relays avail) - LCD Display 0.1° or 0.01° Resolution - Adjustable Audible & Visual warnings - Measuring Range Scalable Up to $\pm 70^\circ$ - Temperature Compensation for increased accuracy over temperature -40°C..+85°C Operating Temperature (LCD op temp -20..+70°C) - Semi-custom-multiple options - Adjustable Audible (buzzer) & Visual (LED) warnings
SlopeAlert™ Tilt Switch	Low Cost Tilt Warning Switch
	Low-Cost Tilt Warning System for Off-Road Vehicles & Equipment in Motion! - Dampened to eliminate false triggers - Single or Dual axis - Shock proof to 500g - All-weather Noryl Plastic, IP67 - Open Collector Switch Outputs (12 or 24VDC Relays avail) - Audible (buzzer) & Visual (LED) warning options
SB Series	Single or Dual Axis Inclinometer, 4-20mA, 0-5VDC
	- Die-cast Aluminum Housing, up to IP67 - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Analog 4..20mA (current loop), 0..5VDC 8..30VDC Non-regulated Input Supply - Angle Range: scalable up to $\pm 80^\circ$ - EMC Protected - Vibration and Shock Resistant - ATEX or CSA Certification for Intrinsic Safety
XB Series	SUB-SEA Inclinometer for Extreme Environments
	- Stainless Steel housing, IP68 - Protection against aggressive media, seawater - Pressure resistant to 100 meters below sea level - Operating Temperature -40..+85°C (-40..+185°F) - Temperature Compensated Output - Analog 4..20mA (current loop), 0..5VDC 8..30VDC Non-regulated Input Supply - Angle Range: scalable up to $\pm 80^\circ$ - EMC Protected - Vibration and Shock Resistant

APPLICATIONS

- Antenna Positioning
- Auto-Leveling Systems
- Ball Banking
- Boom Angle Indication
- Grade Control
- Line-Array Alignment
- Load Balancing
- Pitch & Roll
- Platform Leveling
- Roll-over Warning
- Slip or Skid indication

Mechanical Types	Precision "ball in tube" style Inclinometers and Slip Indicators		
 Slip Indicators (Stock & Custom)	Rieker's mechanical style inclinometers (also known as clinometer, slope or angle indicator) are typically used to get a quick visual reference for leveling, balancing and preventing tip-over of vehicles, cranes, equipment and boats. Rieker manufactures mechanical inclinometers using precision tube and ball construction with engraved or silk screened markings and customer specified color warning zones. All our tubes are filled with a special damping fluid that controls the movement of the ball. The fluid combined with large, clear number and degree markings make it easy to get quick, accurate readings under a wide variety of severe environmental conditions.		
 1017SPL3-4/8/10	Quick Visual of Angle • Precision Tube Design • Custom Size Tubes • Custom Color Warning Zones: One, Two, or Three Color Zones Available (Green, Yellow, Red) • Backlit Models Available • Die-cast Aluminum or Polycarbonate Housings • Angle Ranges: $\pm 5^\circ$, $\pm 10^\circ$, $\pm 20^\circ$, $\pm 45^\circ$, $\pm 60^\circ$, $-10^\circ/+85^\circ$ • Percent Grade Ranges: $\pm 13\%$, $\pm 45\%$ • Degree Markings: $\pm 0.5^\circ$, $\pm 1^\circ$, $\pm 2^\circ$, $\pm 5^\circ$, $\pm 10^\circ$		
 2056E	EQUIPMENT: • Aerial Lift Work Platforms • Aircraft • Barges • Boom Trucks • Bull Dozers • Cranes • Excavators • Fire Aerial Ladder Rigs • Fork lifts • Graders • Offshore • Sail Boats • Submarines • Trains • Utility Trucks		
 2064EGM-SPL			
 5012P			
 4120WWL-12V			
Circular Bubble Levels	Precision Bulls-Eye Glass Vial Level Indicators		
 C0007	• ALL-Weather Machined Aluminum Housing - Salt Fog per ASTM B117 • Precision Ground Glass • Permanently Fused Ceramic Markings • Operating Temperature Range -40°C to $+75^\circ\text{C}/+85^\circ\text{C}$ • Quick and Accurate Visual Reference • Leveling, Balancing and Preventing Tip-over • Machining or Anywhere Precise Leveling Required		
Rieker Rugged. Rieker Reliable.™			
RIEKER INC • PO BOX 2410 • ASTON • PA • 19014 • USA			
610-500-2000	Fax 610-500-2002	inquiry@riekerinc.com	www.riekerinc.com