

DUAL-AXIS INCLINOMETER

WellAnalytix Inclinometers are accurate and durable sensors that use the latest technology. Integrated filters improve performance and allows use in high vibration settings. These dual-axis sensors are an ideal solution to monitor position and well performance for rod lift applications.

DUAL-MOUNT HOUSING

DEPENDABLE QUALITY

HIGH ACCURACY

The WellAnalytix inclinometer sensors continuously measure actual position through the full stroke of beam pump units. The sensor offers fast response times and digital signal processing including temperature compensation for accurate readings. Our mounting bracket allows for quick installation on either side of the pumping unit simplifying and accelerating set-up.

Output Interface	Analog / 0.5—4.5 V
Voltage Supply	8—30 VDC
Measurement Principle	MEMS / Dual Axis
Measurement Range	Up to $\pm 90^\circ$
Tilt Sensor Accuracy	Up to $\pm 0.5^\circ$
Resolution	12-bit, Up to $\pm 0.01^\circ$
Refresh Rate	100 Hz
Repeatability	$\leq \pm 0.02\%$ RO
Insulation Resistance (100VDC)	$\geq 500\text{ M}\Omega$
Zero Balance	$\leq \pm 1\%$ RO
Input Resistance	$800 \pm 50\ \Omega$
Output Resistance	$700 \pm 0.5\%$ Ω
Operating Temp. Range	-40 to 85°C (-40 to 185°F)
Rating / Protection Class	IP 67, RoHS compliant
Mounting Bracket	ABS Plastic with countersunk super strong bar magnets
Construction	Plastic housing
Connector	AMP Superseal 1.5 Series, 4-pos



✓RoHS

CE

CONNECTOR PINNING

Pin	Function	Description
1	Vcc	8 to 30 VDC supply input (+)
2	GND	GND
3	Output X	0.5 to 4.5 V, X axis output
4	Output Y	0.5 to 4.5 V, Y axis output

KEY FEATURES

- Mounts on either side of pumpjack
- Digital signal processing filter for vibration damping
- Temperature compensation
- Works with most major POC brands
- RoHS compliant sensor

ACCESSORIES

• Cables

- ◇ Armored: 50 / 75 / 100 ft length
- ◇ Standard: 50 / 75 / 100 ft length or cut to order

