



ASDH Magneto PS[®] Pump Stroke Sensor Datasheet

Mechanical

Material: Aluminum

Magnetic Base

Connector: Customer Specified

Sensing Range: Only limited by Customer's Equipment
(Passive Measurement)

Overload: Only limited by Customer's Equipment
(Passive Measurement)

Electronic Certifications

ATEX Zone 2 Certified

Electrical

Internal Power Supply via D cell Battery

Output: Solid State Relay Switch Contact

Temperature

Operating: -40 to 85°C (-40 to 185°F)

Storage: -40 to 100°C (-40 to 212°F)

Other

Shock: 100G, 11 msec, 1/2 sine

Vibration: 2G peak, 1 to 1000 Hz.

Rating: IP-66

Reverse Polarity Protection: Yes



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ASD Holdings presents the Magneto® PS (Pump Stroke Sensor). It is the worlds first and patented pump stroke sensor that mounts to the outside housing of the rig pump, using a magnetic base. It can detect, and count mud pump piston strokes without having to make contact with the pistons.

No more having to open the covers of the rig mud pumps to install the C-clamp style micro switch with metal whisker. No more having to bore a hole through the pump housing in order to get a proximity switch near a piston to count strokes.

The form and fit are different than anything currently on the market, using the magnetic base, however, our state of the art circuitry has the ability to give the end user a switch type (on/off) electrical output that current, conventional pump stroke sensors emit from their sensors. Therefore, the end user does not have to make any accommodations to their Data Acquisition System's required input signals for pump stroke sensors.

We will install any male connector the end user specifies so that using the Magneto PS pump stroke sensor will be a simple and truly plug-and-play.

