

# Joral Devices Announces Explosion Proof Non-Contact Encoder

WAUKESHA, WI – April 21, 2008 : Joral Devices introduces a revolutionary explosion proof encoder for the oil and gas industry. The model XPHP is a non-contact device that does not require a mechanical connection or shaft coupling. It is able to **magnetically sense rotational motion up to 6000 RPM directly through the aluminum housing (Patent Pending).**



The 3 1/2" diameter package features three 1/2" NPT conduit feed-through hubs and comes standard with a mounting bracket and magnet. Installation is much easier than a traditional shaft and bearing encoder. A magnet is mounted to the rotating device and the XPHP is mounted close to the magnet on-center. The encoder tolerates distance, alignment and angular changes due to machine wear and tear. LED indicators show power and output status further simplifying installation and troubleshooting.

The sensor is available as an **incremental encoder** or as an **absolute rotary position sensor** with a wide range of resolutions and outputs including quadrature, SSI or analog output. An operating power supply range of 6 to 36 VDC allows the device to fit into various power systems and all the signals have short-circuit and mis-wire protection. The electronic circuitry is sealed in high grade potting material making the encoder extremely rugged and resistant to water, dirt, grease and other contaminants.

- **Senses Rotation right through the Housing**
- **Up to 6000 RPM. Up to 8192 positions per revolution**
- **Absolute Position or Incremental Outputs**
- **Easy Installation**
- **Extremely Rugged-Duty Construction**
- **Tolerates Misalignment**

#### NOTE

The Joral Explosion Proof encoder is a combination of the standard encoder installed within an approved instrument housing. It is not an FM approved assembly. The user is responsible for FM's approval of the assembly per the use and installation.

For more information, contact Joral Devices at 262-522-3266 or visit our web site at [www.JoralDevices.com](http://www.JoralDevices.com)

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