

Drawworks Encoder

Monitors drillstring movement

Applications

- Surface logging

Features and Benefits

- Aluminum, corrosion-resistant housing
- Lightweight and compact for easy installation
- Certified for use in hazardous areas around the world
- Highly accurate fast-line velocity measurements

Certifications

- ATEX II 1 G Ex ia IIB T4 Ga

Tool Description

The drawworks encoder monitors drillstring movement from its mounted position between the rotoseal assembly and the drawworks. The encoder is used in conjunction with surface logging software to calculate parameters such as depth, rate of penetration, block speed, and block position. The encoder uses additional sensors to compensate for motion while monitoring on floating vessels.

Specifications

Brand	Hohner
Model	SPFX-026
Material	Aluminum and stainless steel
Weight	3.3 lb (1.5 kg)
Bearing life	7.5 × 10 ⁹ rev (50,000 hours at 2,500 rpm)
Maximum rpm	3,000
Barrier	BEI Technologies P/N: 924-60004-002
Precision	0.01148 to 0.03281 ft (0.0035 to 0.0100 m) depending on the drum diameter, 100 counts per shaft turn
Supply voltage	5 to 24 V
Frequency response	150 kHz
Location	Drawworks drum shaft
Operating temperature	-4 to 140°F (-20 to 60°C)
Operating humidity	Up to 98%
Vibration	500 Hz @ 5 gs



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