

PENLINK

Product Presentation of HS44 Encoder

NEW PRODUCT LINE



Our new HS44 Encoder is the ideal product to use in heavy duty applications!

Often, optical encoders fail because of dust or water contamination that prevents the sensor from seeing the optical disk. The HS44 advanced magnetic technology sees through contamination. The fully potted circuit board that ignores water, oil, dust and dirt. This ensures your machine keeps working, even in the toughest application environments.

To keep it simple the HS44 offers high performance, magnetic durability and moisture resistance in a compact package with drop-in ease of replacement at a great value.

WHY YOU SHOULD CONSIDER THE HS44 ENCODER

NEW PRODUCT LINE

HS44 HOLLOW SHAFT ENCODER

The HS44 offers high performance, magnetic durability and moisture resistance in a compact package with drop-in ease of replacement at a great value.

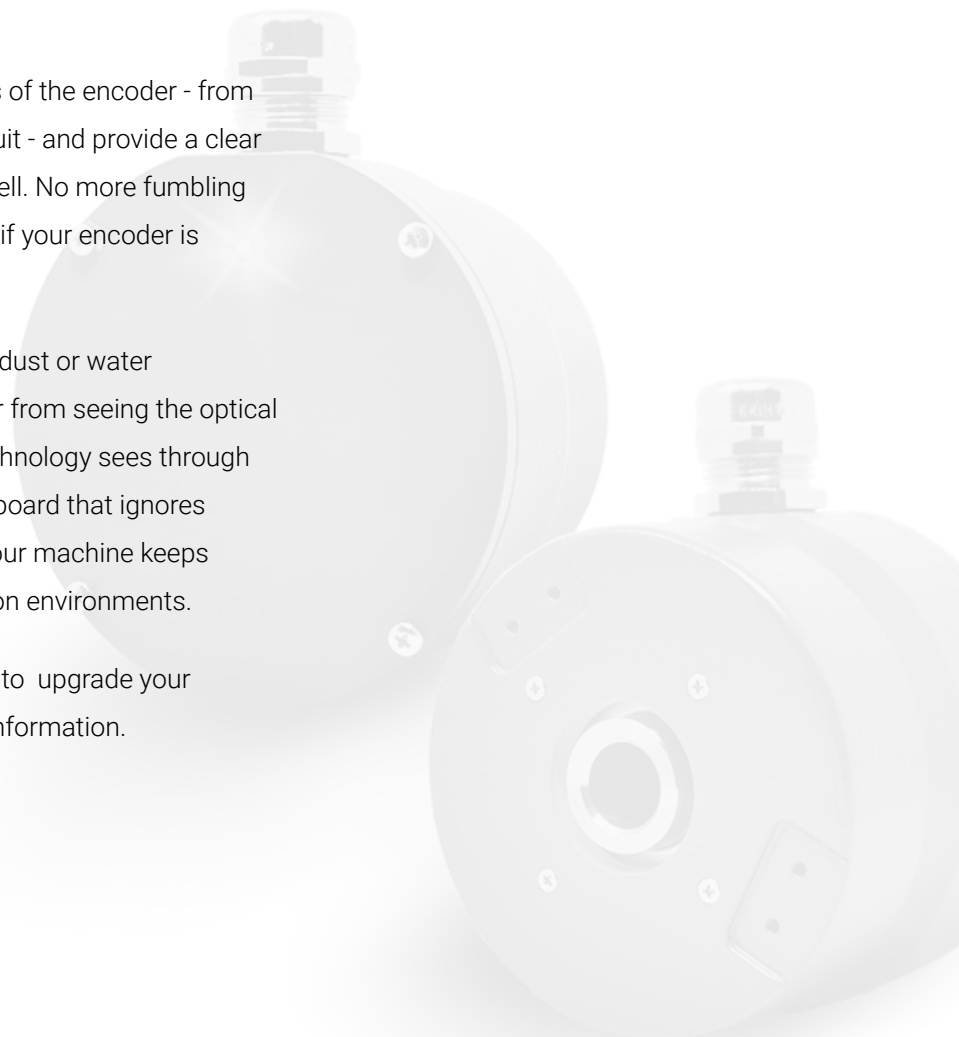
This products is a direct fit for 12mm, 16mm and 17mm (10:1 taper) generator (and motor) center-bolt shaft systems. The optional ceramic bearings offer high voltage isolation from shaft currents. It offers high power outputs that can drive cables up to 1000' [300m] with full short circuit and over-voltage protection!

On-board diagnostics check all aspects of the encoder - from the sensor to the output line driver circuit - and provide a clear indicator that the encoder is working well. No more fumbling with a PC or oscilloscope to determine if your encoder is working properly!

Often, optical encoders fail because of dust or water contamination that prevents the sensor from seeing the optical disk. The HS44 advanced magnetic technology sees through contamination. The fully potted circuit board that ignores water, oil, dust and dirt. This ensures your machine keeps working, even in the toughest application environments.

Choose Penlink and our HS44 Encoder to upgrade your machine today! Get in touch for more information.

- + Simple Installation
- + Up to 10000 PPR
- + Replaces Competitive Models, optional installations to fit Leine linde or Baumer encoders.
- + Rewiring
- + High Power Outputs Standard
- + -40°C to +100°C Operation*
- + Fully Insulated from Motor Shaft Currents*
- + 2 Year No-Hassle Warranty
- + No fragile optics, no glass disks
- + All electronics fully potted/encapsulated
- + Cast aluminum heavy duty housing

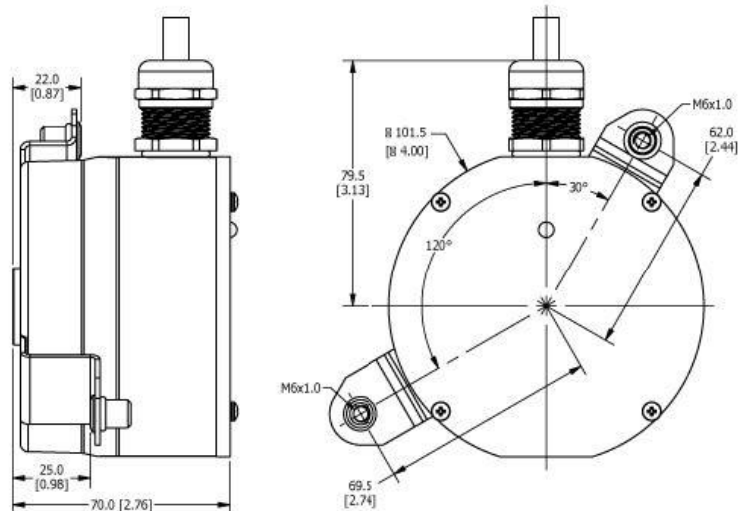


TECHNICAL INFORMATION

NEW PRODUCT LINE

Operating Power	Volts: 6-30 VDC; Current: 80mA, no load
Output Format	A Quad B with marker (A,A-, B,B-, Z,Z-)
Frequency Range	0 to 250 KHz @6V & 1m cable
PPR	1 - 10000 standard (for other PPR needs, consult factory)
Speed	6000 RPM Max., (for higher speeds, consult factory)
Temperature	-30° to 85°C std, *optional: -40° to 100°C
Environmental	IP66 housing with fully encapsulated electronics
Shaft Current Isolation	*2700VRMS optional ceramic bearings
Vibration	10-2000Hz, 17Gs
Shock	275G, 6mS duration
Weight	2.5 lbs. [635 g] approx
Certifications	CE, UL 508 (pending)

- + All digital design; no adjustments or potentiometers.
- + Direct replacement for Hubner HOG 8 & 9 and, Leine & Linde 861, 862, 865, and many others
- + Fits European and Asian generators & motors with 12mm & 16mm straight and 17mm taper shaft center-bolt systems
- + Diagnostic LED & alarm output contact option
- + No extra charge for signal complements and marker pulse (A,A-, B,B-, Z,Z-)
- + Fits all major brands and platforms of wind powered generators (WPGs)












All dimensions are in millimeters [inches].
Specifications and features are subject to change without notice.

TECHNICAL INFORMATION

NEW PRODUCT LINE

Selection Guide

HS44 PART NUMBERS AND AVAILABLE OPTIONS

								
HS44	Shaft	Tether	Connector	Marker Gating	Line Driver	PPR (Single)	PPR (Dual)	Mods
	2 – 12mm End-of-Shaft (EOS) Straight; Standard Bearings 6 – 16mm EOS Straight; Std Bearings 7 – 17mm EOS 10:1 Taper; Std Bearings B – 12mm End-of-Shaft (EOS) Straight; Ceramic Bearings F – 16mm EOS Straight; Ceramic Bearings G – 17 EOS 10:1 Taper; Ceramic Bearings	X – No Tether 1 – Bracket Only 120° (25mm from shaft to inboard mount) 2 – Bracket Only 330° (22mm from shaft to outboard mount) P – #1 Tether Bracket + Anti-Rotation on Arm (70-80mm) G – #1 Tether Bracket + Anti-Rotation on Arm (70-460mm)	2 – M23/12 pin (CW pin #s) Standard Phasing 3 – M23/12 pin (CW pin #s) Reverse Phasing 4 – M23/12-pin (CCW pin #s) Standard Phasing 5 – M23/12-pin (CCW pin #s) Reverse Phasing W – M20 Cord Grip w/ 0.5M (20") Cable Y – M20 Cord Grip w/o Cable	K – ¼ AB Cycle, Sync w/ A&B High L – ½ AB Cycle, Sync w/ B Low M – 1 AB Cycle, Sync w/ A High CW N – Raw Wide Marker (Ungated)	1 – 6-30V in/out 2 – 6-30V in / 5V out 3 – 5V in/out	AM – 250 AN – 256 AQ – 500 AR – 512 AW – 1000 AY – 1024 CX – 1500 A3 – 2000 A4 – 2048 A5 – 2500 AT – 3072 AD – 4096 A9 – 5000 A2 – 8192 K1 – 10000 * Contact us for more information on additional PPRs	XX – None If dual, PPR = Codes same as single	000 – No Special Mod 9XX – Cable Length Mod

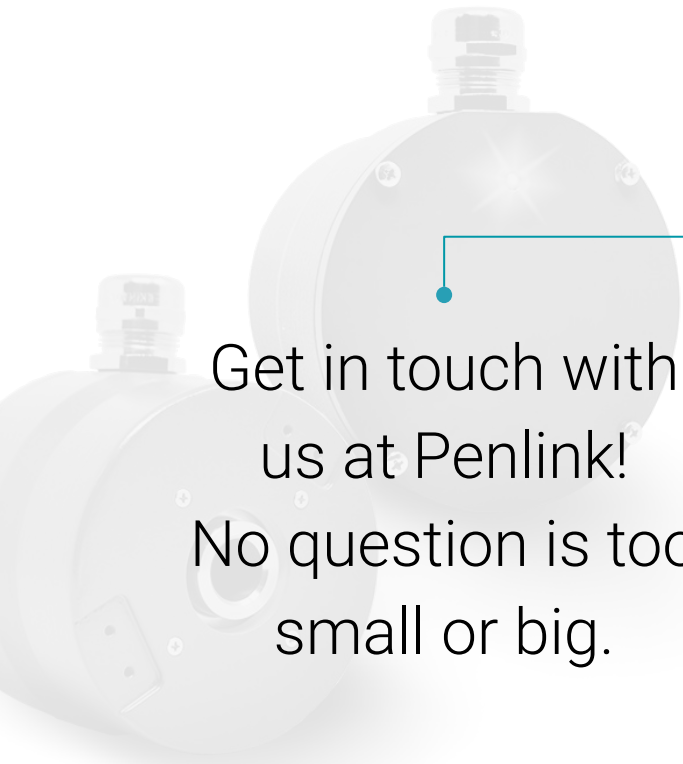
WE MAKE REPLACEMENT EASY

NEW PRODUCT LINE

RETROFIT – EASY AND SIMPLE

Big part of our business comes to retrofitting present products in various application. Our magnetic encoders are perfect for replacing incremental optical encoders. They have no glass disk, can be bearing less to remove bearing failure, and offers the highest MTBF in the industry!

The HS44 is engineered to be a drop-in replacement for Baumer Hubner HOG 8, & 9 models, as well as Leine & Linde 861, 862 & 865 models. And it adds superior durability and diagnostics!



Get in touch with
us at Penlink!
No question is too
small or big.



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HEADQUARTERS

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