

# DR323

Direct replacement encoder for Videojet Printers



**DR323** is a common encoder used on legacy Marsh Videojet printers. The encoder is currently sold by Videojet as a kit for Patrimon Plus, Overture, Encore, and M8000 ink jet printers. If you are in need of an encoder for your Videojet printer, the DR323 is the perfect solution.

## Features:

- Rugged 2.5" x 2.5" encoder
- 2.50" servo mount
- 3600 CPR\*
- 9 Foot cable thru Olflex Strain Relief
- Pull-Up output
- 3/8" Stainless steel shaft

*\*Other CPRs may be available, Contact Customer Service*

*Contact Customer Service for pricing. Discounts available for volume orders.*

## The Accu-Coder™ Advantage

- US-based since 1969
- Industry-best 3-year warranty
- Exceptional customer service
- Fast lead times – contact us for lead times and expedite options

**ACCU»»CODER™**  
by Encoder Products Company

# DR323

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## MODEL DR323 SPECIFICATIONS

### Electrical

Input Voltage .....	4.75 to 28 VDC max for temperatures up to 70° C
Input Current .....	100 mA max with no output load
Input Ripple .....	100 mV peak-to-peak at 0 to 100 kHz
Output Format .....	Incremental – See Waveform Diagrams below.
Output Types .....	Pull-Up – 100 mA max per channel
Freq Response .....	100 kHz
Noise Immunity .....	Tested to BS EN61000-4-2; IEC801-3; BS EN61000-4-4; DDENV 50141; DDENV 50204; BS EN55022 (with European compliance option); BS EN61000-6-2; BS EN50081-2
Symmetry .....	180° (±18°) electrical at 100 kHz output
Rise Time .....	Less than 1 microsecond
Accuracy .....	within 0.005° mechanical. (Total Optical Encoder Error = Instrument + Quadrature + Interpolation)

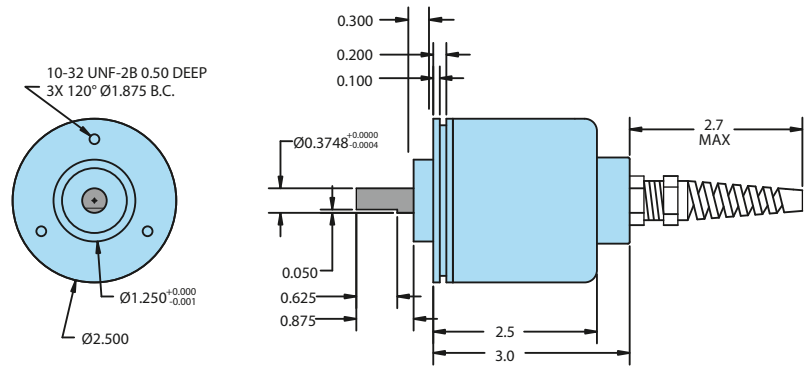
### Mechanical

Max Shaft Speed .....	.6000 RPM. Higher shaft speeds may be achievable, contact Customer Service.
Shaft Size .....	.0375"
Shaft Material .....	.303 stainless steel
Shaft Rotation .....	Bi-directional
Radial Shaft Load .....	.35 lb max
Axial Shaft Load .....	.40 lb max
Starting Torque .....	1.0 oz-in
Moment of Inertia .....	5.2 x 10 <sup>-4</sup> oz-in-sec <sup>2</sup>
Max Acceleration .....	.1 x 10 <sup>5</sup> rad/sec <sup>2</sup>
Electrical Conn. ....	Offlex Strain Relief with 9 feet of cable
Housing .....	Black non-corrosive finish
Bearings .....	Precision ABEC ball bearings
Mounting .....	2.50" servo
Weight .....	.20 oz typical

### Environmental

Operating Temp .....	0° to 70° C
Storage Temp .....	-25° to 85° C
Humidity .....	95% RH non-condensing
Vibration .....	10 g @ 58 to 500 Hz
Shock .....	50 g @ 11 ms duration
Sealing .....	IP50

## DR323 Dimensions



## DR323 Waveform Diagram



## DR323 Wiring Table

Function	Wire Color
Output	Brown
+VDC	White
Ground	Black
Shield	Bare

**Don't see the exact encoder you need?**

Call (800) 366-5412 and our Technical Sales Department will cross-reference your encoder to the correct EPC model.