

## 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 Patrion 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.



#### The Accu-Coder™ DR323 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 CPR's may be available, Contact Customer Service

#### The Accu-Coder™ Advantage

- Get this encoder **FAST!**
- *Huge savings* in price comparison!
- The accuracy, reliability, and quality that only come from an Accu-Coder™
- Industry Best 3-year warranty!

# 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)

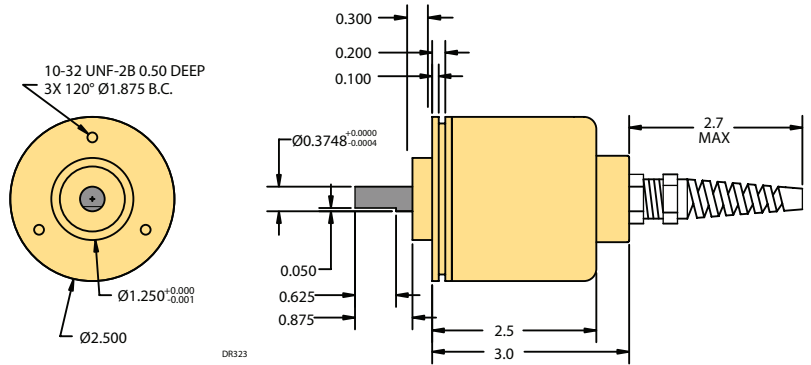
#### Mechanical

Max Shaft Speed.....6000 RPM. Higher shaft speeds may be achievable, contact Customer Service.  
 Shaft Size.....0.375"  
 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.....Olflex 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 Wiring Tables — Waveform Diagram

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



This Direct Replacement Encoder provided by;

