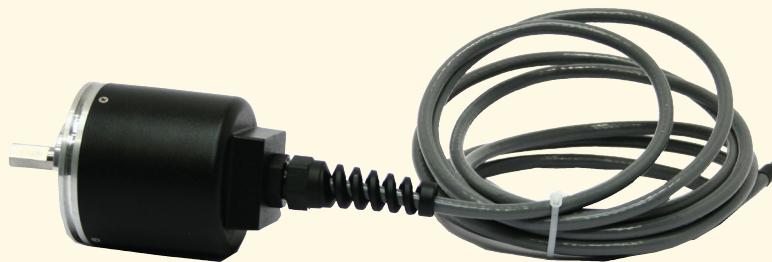


## DR323

### 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.



#### 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!

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



# DR323

## Direct Replacement Encoder For Videojet Printers

### 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)

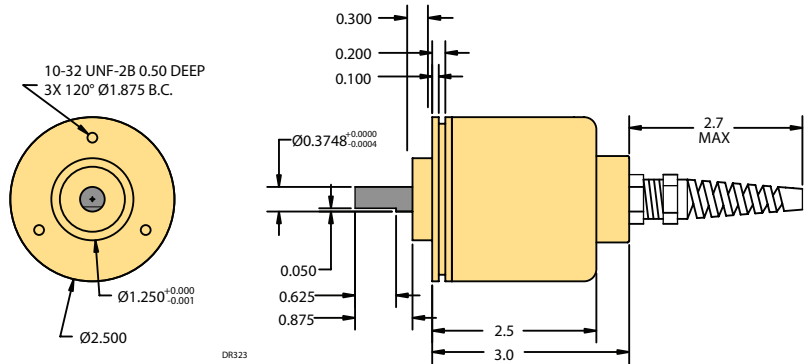
#### Mechanical

- 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

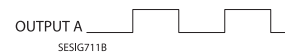
### DR323 Dimensions



### DR323 Wiring Tables

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

### Waveform Diagram



This Direct Replacement Encoder provided by;

