

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!

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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)

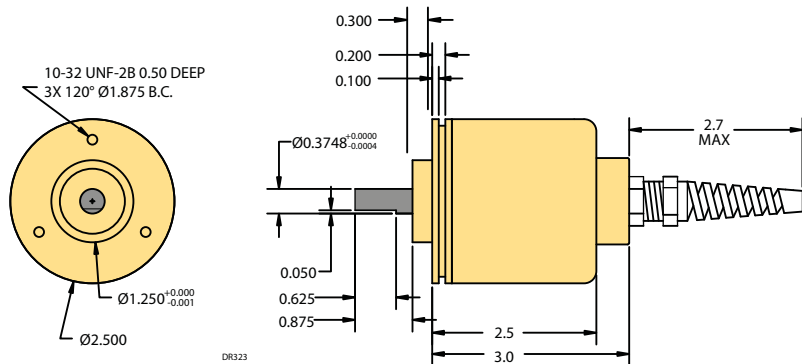
Mechanical

- 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 10⁻⁴ oz-in-sec²
- Max Acceleration.....1 x 10⁵ rad/sec²
- 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

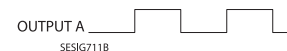
DR323 Dimensions



DR323 Wiring Tables

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

Waveform Diagram



This Direct Replacement Encoder provided by;

