

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*

Typical Price: for Comparable Encoder: \$550 - \$700

DR323 Price: \$520

Additional discounts available for volume orders.



The Accu-Coder™ Advantage

- ✓ Get this encoder FAST – you'll get your encoders in days, not weeks.
- ✓ Huge savings in price comparison – the DR323 is your economical solution
- ✓ 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)

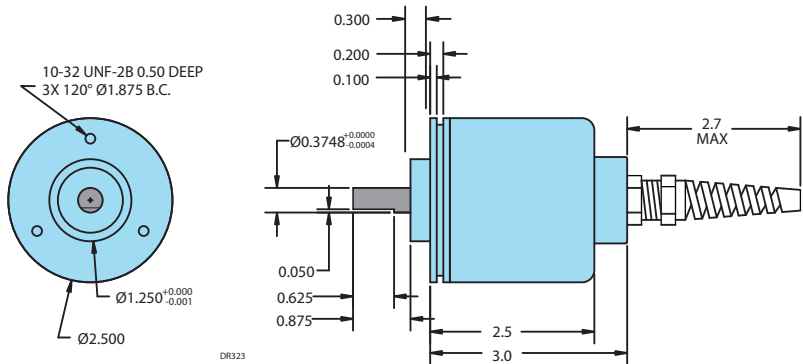
Mechanical

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



Waveform Diagram



DR323 Wiring Tables

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

Don't see the exact encoder you need replaced?

Call **1-800-366-5412** and our Technical Services Department will cross-reference the encoder to the correct EPC model.