

DR323

Direct replacement encoder for legacy Marsh Videojet printers

**BRITISH
ENCODER**
PRODUCTS COMPANY



Features:

- Rugged 63.50 x 63.50 encoder
- 63.50 (2.50") servo mount
- 3600 PPR*
- 9 Foot cable thru Olflex Strain Relief
- Pull-Up output
- 3/8" Stainless steel shaft

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.

* Other PPRs may be available, Contact Customer Service

ACCU-CODER™
by Encoder Products Company

The Accu-Coder™ Advantage

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

Don't see the exact encoder you need?

Call +44(0)1978 262100 and our Technical Sales Department will cross-reference your encoder to the correct BEPC model.

Rev:
B

DR323

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DR323 Specifications

Electrical

- Input Voltage.....4.75 to 24 VCC 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.....Push-Pull- 20 mA max per channel
- Freq Response.....Up to 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)

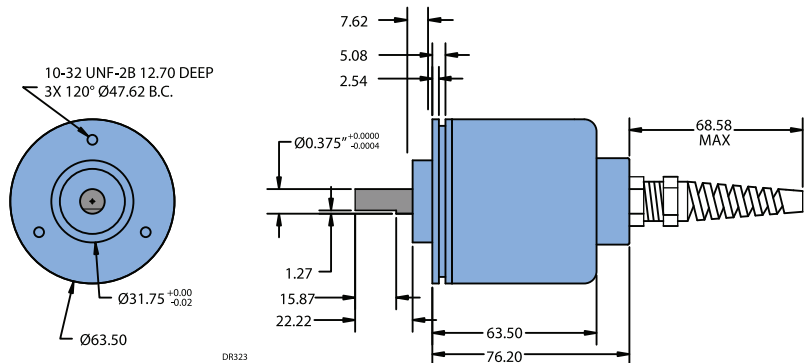
Mechanical

- 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.....10kg max (standard housing)
- Axial Shaft Load.....18 kg max (standard housing)
- Starting Torque.....7.0615 x 10⁻³ Nm typical
- 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.....63.50mm servo
- Weight.....570gms typical

Environmental

- Operating Temp.....0° to 70° C for standard models
- 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 standard

DR323 Dimensions



All dimensions are in mm with a tolerance of ±0.127mm or ±0.254 unless otherwise specified



Waveform Diagram



Wiring Table

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