

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*

Contact Customer Service for pricing. Discounts available for volume orders.

The Accu-Coder® Advantage

- US-based since 1969
- Industry-best 3-year warranty
- Exceptional customer service
- Fast lead times – contact us for lead times and expedite options

ACCU»»CODER®
by Encoder Products Company

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)

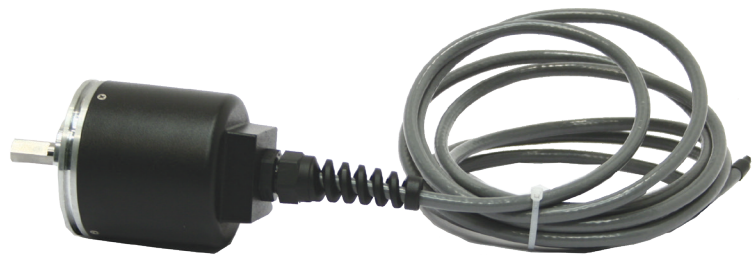
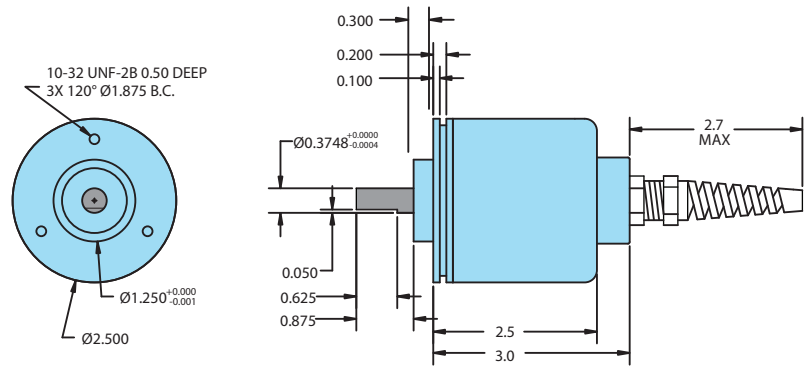
Mechanical

Max Shaft Speed6000 RPM. Higher shaft speeds may be achievable, contact Customer Service.
Shaft Size0375"
Shaft Material303 stainless steel
Shaft Rotation	Bi-directional
Radial Shaft Load35 lb max
Axial Shaft Load40 lb max
Starting Torque	1.0 oz-in
Moment of Inertia	5.2 x 10 ⁻⁴ oz-in-sec ²
Max Acceleration1 x 10 ⁵ rad/sec ²
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



DR323 Waveform Diagram



DR323 Wiring Table

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

Don't see the exact encoder you need?

Call (800) 366-5412 and our Technical Sales Department will cross-reference your encoder to the correct EPC model.