



Avtron Rush AV4 Encoders



We will RUSH popular AV4 encoders to you for no additional cost!

Magnetic Durability in a Programmable Encoder

Ships in 2 business days

2.06" Sq., 2.5" Rnd., 2.63" Sq.,
58mm Rnd., 36.5mm Rnd. flange
options

Any PPR 1-16,384

Many connector options via mating
adapters

1/4", 3/8", 6mm, 10mm Shaft Sizes

2 Year No-Hassle Warranty

No optical glass disc

RUSH AV4

In a pinch? Can't afford costly downtime? Need a compact encoder delivered fast? Good News! Select popular Avtron AV4's are now available for quick ship!

Choose from five popular flange configurations:

2.06" Square, 2.50" Round, 2.63" Square, 58mm Round, and 36.5mm Round flanges.

Any PPR 1 - 16384!

Many cable mating adapters and connectors available to get you the right connection: 7 & 10 pin MS, 12 pin M23, 10 pin Mini Twist Lock, and cable with flying leads.

We will *RUSH* these AV4 encoders out the door in 2 business days at no extra cost! Use our configurator to see all the available options and pricing.

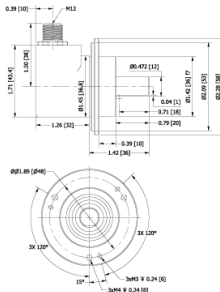
Avtron AV4 encoders are setting THE industry standard for incremental quadrature rotary encoders. This versatile lineup fits the same mounting patterns on all motors and machines as competitor units, but that's where the similarities end. We've incorporated Avtron magnetic sensing technology to this affordable set of encoders! This makes AV4 more resistant to dust, dirt, oil and other liquids that make ordinary optical encoders fail.

Our Wide-Gap technology provides for 10-20X larger air gap between sensor and rotor than ordinary optical encoder designs. Consider the resistance to vibration when you compare our 0.040" air gap to the typical 0.004" clearance from the thin, often flexible, optical disk spinning at full motor speeds. Our high-accuracy magnetic sensors provide high quality quadrature signals for precise velocity and position control with the durability of magnetic sensing technology.

07/16/25

OUTLINE DRAWING

Flange style 1 - 58mm w/36mm Pilot,
3x M3 & M4 on 48mm BC



FOR COMPLETE LIST OF FLANGE STYLES PLEASE REFER
TO INSTRUCTION SHEET

MORE RUSH AV4 ADVANTAGES

- Resist dust, dirt, and liquids
- -40° C to +85° C Operation
- Drop-in mechanical replacement
- Pin-for-pin replacement

MORE RUSH AV4 SPECIFICATIONS

Operating Power: Volts: 5 - 30 VDC; Current: 140 mA @ 5 V, 70 mA @ 10 VDC, 40 mA @ 24 VDC, no load

Output Format: A Quad B with marker (A, /A, B, /B, Z, /Z) available

Frequency Range: 0 to 1 MHz

PPR: 1 - 16,384 Standard (for other PPR needs consult factory)

Speed: 6000 RPM Max., (for higher speeds, consult factory)

Shaft Load: Axial 9 lbs [40 N], Radial 25 lbs [110 N]

Max. Temperature: -40° to 85° C

Protection Rating: IP65

Vibration: 10g (10 Hz - 1000 Hz, EN 60068-2-6)

Shock: 100g (half sine 6 ms, EN 60068-2-27)

Weight: 0.44-1.76 lbs [200-800 g]

Check out our website for more detailed specifications, drawings, and
installation instructions. www.avtronencoders.com



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AVTRON™
ENCODERS *ANALOG BRAND*

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