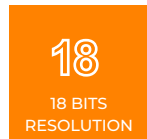
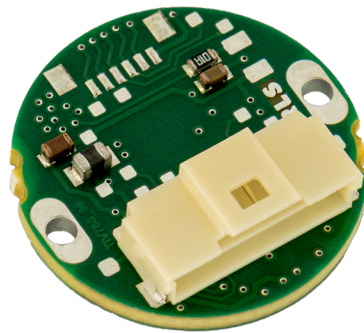


RTB20

High Resolution Magnetic Encoder

The RTB20 high-resolution magnetic encoder features 18-bit resolution in an ultra-compact Ø20 mm encoder board, delivering exceptional precision in the smallest footprint. Its compact and lightweight design makes it ideal for applications such as printing, industrial automation, motor control and instrumentation.



Why choose RTB20?

FEATURES:

- ✓ Based on TMR sensor
- ✓ Incremental resolution up to 18 bit
- ✓ UVW signals for commutation up to 256 pole pairs
- ✓ Zeroing function

BENEFITS:

- ✓ Simple and fast installation
- ✓ Non-contact, frictionless design
- ✓ Miniature design, Ø20 mm
- ✓ Long-term reliability
- ✓ No hysteresis



INDUSTRIAL
AUTOMATION



MOTOR CONTROL



MEDICAL



AGRICULTURE



PACKING

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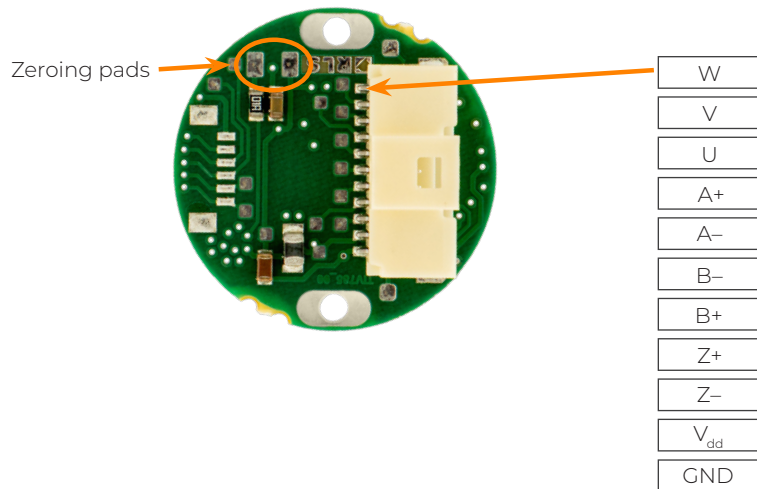
A RENISHAW associate company

RTB20 technical specifications

SYSTEM DATA	
Power supply	Vdd = 5 V ± 5%
Current consumption	Typ. 40 mA (not loaded)
Maximum speed	30,000 rpm
Incremental outputs	A, B, Z line driver (RS422)
Incremental resolutions	Programmable up to 18 bit, decimal to 250k CPR
Commutation outputs	U, V, W single ended
Pole pairs for commutation	Programmable from 1 to 256
ENVIRONMENTAL DATA	
Operating temperature	-40 °C to +105 °C (Limited by connector)

Connections

Connector on board - Molex 501568-1107 (11 pin)



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