



01™ MagENC for Motors

Magnetic Absolute Encoder with ANY interface



Overview

The **01™ MagEnc V3.0** for Motors and Mechanisms is a magnetic absolute encoder featuring a resolution of **32768 ticks / revolution**.

It includes a custom magnet designed by 01Mechatronics and appropriate support plastic parts. The sensing method does not require any contact between moving shaft and measuring device.

The real innovation is that the plastic parts are each time 3D printed in order to fit perfectly every motor in the market. The design service is provided by 01™ Mechatronics for FREE. We already have a rich library of designs for most of the popular motors. Furthermore we can provide easy integration of the 01™ MagEnc sensor to virtually any application. Virtually all interfaces to the encoder are possible. Please contact us for more information.

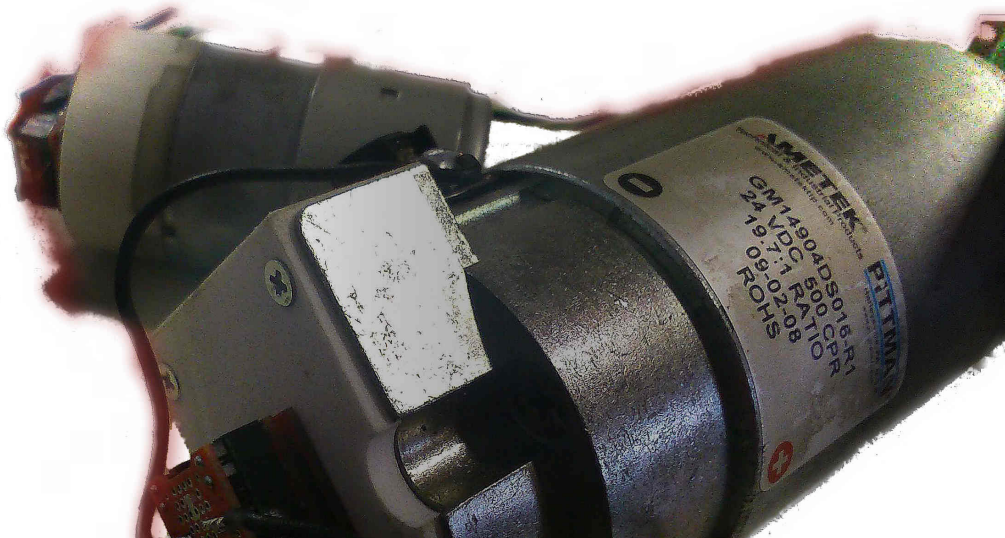
Features

High resolution absolute encoder: The **01™ MagENC** absolute encoder is a *15-bit magnetic absolute encoder* module to monitor output shaft rotation. The angular resolution is 0,0109° (32768 discrete positions per revolution). The **01™ MagEnc** absolute encoder features *machined* support and alignment parts and a SmCo ring magnet designed by **01™**.

Communications: The **01™ MagENC** absolute encoder can communicate with the outside world in a variety of ways:

- SPI
- Quadrature pulses 14bit.
- I2C and RS485 bus if connected with the **01™ PicoMCU**.

The possibilities are unlimited.



Contact Information

ZEROONE Ltd
169 Megalou Alexandrou Str.
13562, Agioi Anargyroi
Athens, Greece
T: +30211 0127292
F: +30211 0127293
info@01mechatronics.com
<http://www.01mechatronics.com>

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