

# Miniature Absolute Magnetic Shaft Encoder



The MA3 from US Digital is a miniature absolute magnetic shaft encoder that provides shaft position information over 360° of rotation with no stops or gaps. The encoder is available in two output versions, analog and pulse width modulation (PWM). The analog version outputs a voltage that is proportional to the absolute shaft position. PWM output is available in 10-bit (1024 positions) and 12-bit (4096 positions) resolutions and outputs a variable pulse width proportional to the shaft position. Typical applications for the MA3 include front panel control, camera pan-tilt position sensor, rotary valve position sensor, rotary air duct valve position sensor and studio lighting position feedback.

US Digital

800-736-0194, [www.usdigital.com](http://www.usdigital.com) [1]

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### Links:

[1] <http://www.usdigital.com/>