

New from **EMS:** **FAULHABER** Miniature Optical Encoders

FAULHABER expands its encoder product line with the addition of its PA2-50 and PA2-100. Leading the way again in miniature motor feedback development, FAULHABER now provides high-resolution, low current-draw optical encoders in different diameters from just 6mm. Continuing to set the industry standard for feedback of DC-Micromotors, FAULHABER now packs 50 lines per revolution into a 6 mm and 100 lines per revolution into an 8 up to 12 mm diameter package.

Optimized for this application, a custom-designed codewheel maximizes the reflected light increasing the system's efficiency and signal reliability. Applications requiring miniature motors with precision encoders will benefit from the use of the "world's smallest integrated optical encoder", delivering consistent, accurate, and high resolution results not attainable with magnetic encoders.

Complementing the FAULHABER range of 6mm+ DC-Micromotors the PA2-xx leading edge optical technology delivers an impressive 50 / 100 lines per revolution before quadrature. Operating between 2.7 to 3.3V DC, low-voltage battery applications continue running for longer with higher resolution and more robust feedback signal reliability. Improved battery life comes from a low-inertia codewheel and a battery-friendly current draw of 8 / 8.5 mA.

The Faulhaber product range is exclusively distributed in the UK and Ireland by Electro Mechanical Systems Ltd, to find out more about the products and services EMS can offer please visit our website at www.ems-limited.co.uk or call one of our sales engineers today on 0118 9817391.

