

Electric Drives

Magnetic Linear Position Measurement

When the need is to increase productivity, network processes and conserve resources, efficient, intelligent and regulated drives with added or integrated sensors for feedback and position detection are the prerequisite.

Balluff offers a broad range of sensors and linear measurement systems using various technologies, all specially designed to meet the demands made on modern electrical, hydraulic and pneumatic drive systems. Users can choose from a wide spectrum for flexible use in any application. Custom tailored solutions can also be designed and assembled to meet your individual requirements.

Balluff technology has been designed in close cooperation with the manufacturers of electric drive technology. These products are precise, easy to install and simple to integrate in compact motors and actuators (electric drives). This in turn supports rapid startup and high power density.

Significant benefits at a glance

- Improved energy efficiency of machines and equipment
- Regulated machine sequences, controlled movements
- High productivity through fast, precise and intelligent drives





Letter	Order Code	Description
A	BAE0069	Digital LED display, 7-digit, Synchronous Serial Interface (SSI)
B	BML...*	Absolute coded magnet tape, 46cm length, 2mm pole pitch
C	BML041M	Magnetic encoder sensor head, absolute Synchronous Serial Interface, Binary, 24-bit, 1µm resolution
D	BML041K	Magnetic encoder sensor head, Incremental quadrature, 1µm resolution
E	BAM01MH	Sliding carriage for magnetic encoder sensor head
F	BML015L	Incrementally coded magnet tape, 1mm pole pitch
G	BML00RP	Incrementally coded magnet tape, 5mm pole pitch
H	BML...*	Guide rail for BML magnetic encoder systems, Aluminum
I	BAM01MF	Sliding carriage for magnetic encoder sensor head
J	BML04F7	Magnetic encoder sensor head, Incremental quadrature, 5µm resolution
K	BAE004M	Digital LED display, dual-axis, Incremental interface, 6-digit
L	BAM021H	Sliding carriage for magnetic encoder sensor head

* Contact Balluff for exact part number