

BALLUFF

Identification Systems BIS C/L/M/S

... universal, fast and economical



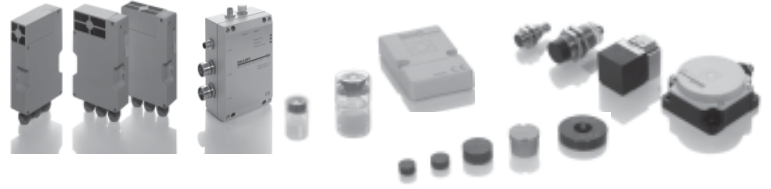


BIS C – the classic with modern technology

A wide variety of data carriers and read/write heads is available to solve virtually any application problem from vacuum conditions to machine tools with exposure to coolants and lubricants to sterilizing conditions in auto-claves. Special read/write heads also allow reading and writing on the fly. Speeds of 220 m/min for reading and 150 m/min for writing are possible. The system is rounded out by a broad range of

different processors. Whether the plastic or metal housing version, these plug-in processors are easy to install.

Interface options such as RS232, parallel, RS422/485 and all commonly used BUS systems are available standard.



BIS L – Low-Cost for non-contact data communication

The economical BIS L system has been added to the line for situations where small amounts of data are involved. This enables applications having a large number of data carriers. The data carriers are available in either read-only format with 40 bits of memory capacity or read/write with 192 bytes. A version with 12.4 mm diameter is available for tight mounting conditions. The read/write heads are available in

various form factors with a read distance of up to 150 mm. Especially cost-effective are the BIS L-40_ reads with integrated parallel or serial interface. The BIS L Identification System operates at the widely used

frequency of 125 kHz while still incorporating the data security offered by all the Balluff systems. As with the BIS C system processors with various industry-standard interfaces are available.



BIS M – where fast meets economical

The BIS M system provides very fast and economical data transmission in non-metallic surroundings. Read times of 16 bytes in 10 ms or write times of 16 bytes in 30 ms are possible. Such read speeds make it possible to realize dynamic identification applications at low cost. The data carriers have a read/write memory of 752 bytes which is rated for at least 100,000 write cycles. In addition each

data carrier includes a 4-byte unique, read-only identification number. The BIS M system operates at a transmission frequency of 13.56 MHz in compliance with the ISO 14443 standard. Naturally the entire

system has also been designed for the utmost in data security. As is customary for Balluff, the processors are available with various industry-standard interfaces.

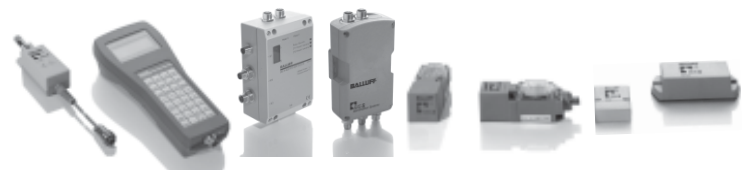


BIS S – Advances in parts identification: High Speed

The BIS S High-Speed identification system rounds out our line at the upper performance end. This system makes data transmission in parts identification faster and even more efficient. The transmission rate between data carrier and read/write head has been greatly increased and the memory capacity enlarged. Until now it has been possible to read 8 kB in around 30 seconds. The BIS S system makes it

possible to read this amount in less than 6 seconds. The use of FRAM technology enables an unlimited number of read/write cycles. This memory also

functions with no battery backup. The processor is able to make use of the full data transmission rate. PROFIBUS-DP and DeviceNet™ interfaces are offered.



For more Identification Systems see main catalog, on CD-ROM or online!

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