

## Magnetic encoder system BML-S1G

# WITH ABSOLUTE QUADRATURE INTERFACE AND CONDITION MONITORING

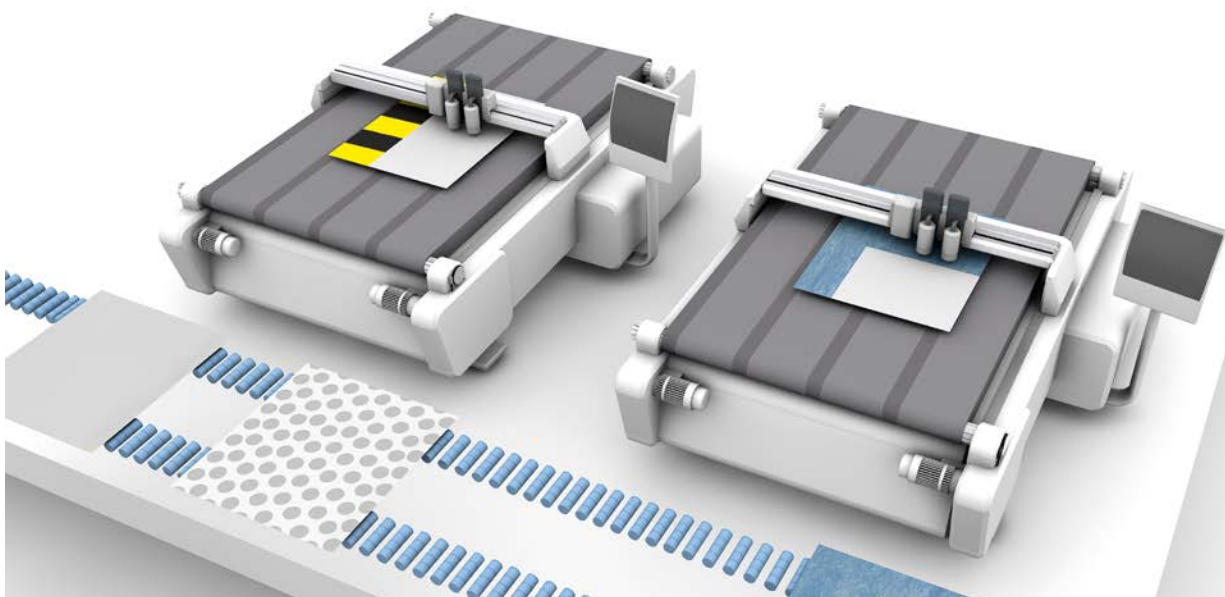
The BML-S1G magnetic encoder system with Absolute Quadrature interface is ideal if you want to combine the advantages of absolute positioning with the simplicity of an incremental interface. Its innovative interface is compatible with incremental A/B input cards and offers the advantage of absolute position information so that no homing procedure is required.

Developed for measuring and positioning tasks in all industries, it is suitable for both long measuring lengths as well as in applications that require high accuracy.

The measuring system can be easily integrated into the existing controller environment – without expensive absolute interface cards or new controller hardware. If the system is used together with the BML Configuration Tool, many additional parameter and diagnostics functions such as condition monitoring are then available.

### Features

- Flexible: Manual or automatic transfer of the absolute position value
- Time-saving: Simple setup, no configuration
- Economical: Compatible with standard A/B incremental interfaces, no absolute controller needed
- Reliable: Status LED and diagnostics functions for reliable operation
- Universal: Measuring lengths up to 48 m, selectable resolution, high system accuracy up to 20 µm

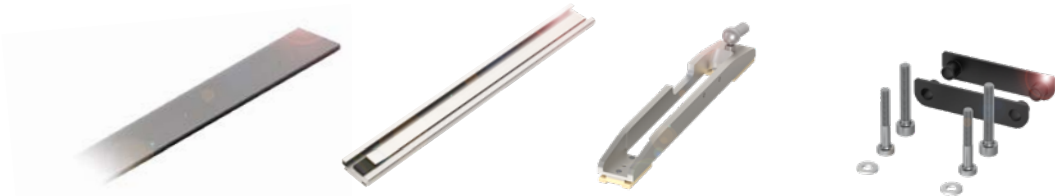


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	BML06HN
Output signal	Absolute quadrature (compatible with digital square-wave signals A/B/Z)
Resolution	1 $\mu\text{m}$
Max. measuring length	48 m
Overall system accuracy	$\pm 20 \mu\text{m}$
Supply voltage	5 V $\pm 5 \%$ und 10...28 V DC
Operating temperature	-20 °C...+70 °C
Degree of protection	IP67
Housing material	Zinc diecasting, stainless steel

#### ACCESSORIES



	BML04P4	BAM01N4	BAM021H	BAM02YC
Description	Magnetic tape Length 1 m *	Guide rail Length 3 m *	Sliding carriage	Mounting accessories
Material	Rubber ferrite, stainless steel	Aluminum	Aluminum	

\* Other lengths on request.

#### CONNECTORS



	BCC09MW	BCC09MY	BCC09MZ	
Description	2 m cable PUR (black) with M12 female, 12-pin (straight)	5 m cable PUR (black) with M12 female, 12-pin (straight)	10 m cable PUR (black) with M12 female, 12-pin (straight)	

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