

The intelligent HeavyDuty encoders HMG10P / PMG10P.

Less variants – lower costs

The intelligent encoders deliver signals for position and speed control in harsh environments. What's new: configuration and monitoring by wireless LAN programming adapter which allows customized settings and on-site optimization of device parameters.

Flexible configuration

- SSI configuration of absolute value
- Any pulse number within 1 ... 131 072 increments
- Any switching speed within 2 ... 12 000 rpm

Quick integration in your application

The compact programming adapter allows intuitive encoder configuration by PC, tablet or smartphone - even if the encoder is already installed.

The monitoring functionality visualizes the current encoder signals, for example during commissioning. Convenient parameter download simplifies documentation effort. Password authentication prevents any unintended modification.

Convenient monitoring of current signals

- Non-interfering to encoder-controller communication
- Singleturn and multiturn position
- Speed
- Temperature



HeavyDuty encoders of the HMG10 / PMG10 series offer maximum performance reserves, higher availability and less system maintenance.

- Bearings at both shaft ends
- Energy harvesting, HeavyDuty multiturn counter MicroGen
- High-performance output drivers
- Ultra-robust, precise magnetic singleturn sensing
- Robust housing design
- Outstanding corrosion protection



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Product overview HMG10P / PMG10P



HMG10P / PMG10P

Parameterization ¹⁾

- SSI absolute signals	Singleturn, multiturn position and speed information with 20 bit resolution each
- Incremental output I / II	≤131 072 ppr (one output with zero pulse)
- Speed switch	Switch on / off speed both in positive and negative direction of rotation; 2 ... 12 000 rpm

Monitoring ²⁾

- Absolute position	Singleturn and multiturn
- Speed	0 ... ±12000 rpm
- Temperature	Encoder with temperature sensor inside
- Diagnostics	Encoder parameter download

Accessories

Programming adapter	Programming with integrated web server for wireless LAN- and Ethernet-enabled access, integrated power unit
Connecting cable	Prefabricated cable for programming adapter, suitable for encoders with terminal box or M23 connector outlet

¹⁾ With programming adapter, only HMG10P / PMG10P, variant-specific

²⁾ With programming adapter, optional also for HMG10 / PMG10. Non-interfering to encoder-controller communication

Accessories



More information on the HMG10P / PMG10P encoder series at:

www.baumer.com/HMG10P



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