# Press Release

**Heavy duty encoder with speed switch for energy-self-sufficient overspeed acquisition**

(03.09.15) With the HOG 86+FSL version, the HOG 86 family of incremental heavy duty encoders by Baumer offers a new version with a mechanical centrifugal switch. This benefits safety-oriented applications that require highly reliable, energy-self-sufficient overspeed acquisition.



The new HOG 86+FSL offers speed acquisition through two principles. While interference-free optical sensing ensures the constant high quality of incremental output signals even under adverse environmental conditions, the energy-self-sufficient centrifugal switch acquires the overspeed purely mechanically and transmits these by means of a switching output. The freely definable switching speed is factory-preset.  
  
After the highest available resolution was increased from 2500 to 5000 pulses per revolution across all models of the range, the new HOG 86+FSL version extends the range of applications of the comprehensive product family. The high-performance output drivers reliably guarantee the provision of high-quality signals over line lengths of up to 550 m (TTL) and 350 m (HTL-P). Baumer also offers a box of accessories for interference-free optical signal transmission up to 1500 m via optical fiber.  
  
The core of the HOG 86 incremental heavy duty encoder family is its uncompromising design for a long service life, among other things through double-sided bearings, robust design and the  
long-term stability of the sealing concept.

Further information:

http://www.baumer.com/HOG86

*Illustration: The new HOG 86+FSL version of the HOG 86 encoder series by Baumer*

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Text and picture download at:[**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

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