

New Ethernet and SSI/BiSS encoders with Energy Harvesting Technology

The upcoming SPS Italia exhibition in Parma (23-25 May, Hall 3 Booth H010) will offer to us the opportunity to unveil the new series of absolute rotary encoders with standard 58 mm diameter flanges:

- EX058 / EXM58 series with Ethernet interfaces
- EH058 / EHM58 series with SSI and BiSS interfaces

Both series can be equipped with either **high accuracy optical sensing technology** (EX058 and EH058 versions) or **robust magnetic sensing technology** (EXM58 and EHM58 versions). Compared to the existing series, the new encoders are lighter and more compact thanks to the integration of the Energy Harvesting Technology circuit. It enables the multiturn counter to be battery-free and gearless and the risk of mechanical failures to be significantly reduced at the same time. Furthermore the range of the working temperature is extended from -40°C to +100°C (-40°F to +212°F) to cover many industrial applications. They can mount solid and blind hollow shafts.

Also the Universal power supply circuit is very useful, it enables an input voltage of +5Vdc +30Vdc.

EX058 / EXM58 series encoders can be equipped with the **most popular Ethernet interfaces available** on the industrial market: Profinet, EtherNet/IP, EtherCAT, POWERLINK, Modbus TCP, and also CC-Link.

Singleturn versions provide resolutions up to 18 bits while multiturn versions provide resolutions up to 30 bits. They have axial connector outlet.

EH058 / EHM58 series encoders have SSI and BiSS interfaces with singleturn resolutions up to 25 bits and multiturn resolutions up to 16 bits.

Will you attend the SPS Italia fair in Parma?

Drop by Booth H010 in Hall 3, join our experts, and explore our new encoders and all the innovations at the show.

