

## Updates to SME11, 21, and 51 to expect in the next weeks

Lika Electronic is going to update the series of SME11, SME21, and SME51 linear encoders in the next weeks: they will benefit of new and increased resolutions down to 0.08  $\mu\text{m}$  and other minor enhancements. SME12, SME22, and SME52 encoders will remain unchanged.

- New resolutions down to 0.08  $\mu\text{m}$
- Improved LED functions
- Three models, for standard to high-performance industrial operation
- Non-contact and wear-free operation, unaffected by dust, oils, liquids

The series of SME11, SME21, and SME51 linear encoders from Lika Electronic will be updated in the next weeks and few significant improvements in electronics will be introduced. Mechanically nothing will change and the readhead will be exactly the same in size.

The main difference from the current models will be the new range of the available resolutions, it will be widened **down to 0.08  $\mu\text{m}$** . Along with the available resolution options, it will be also possible to choose custom resolutions to better fit specific needs.

In addition, **four LEDs instead of three will offer extended diagnostic information** on correct operation, proper alignment, active errors and warnings.

Other minor enhancements will be implemented to improve the operation of the encoder.

Other specifications are exactly as you know and the new SME11 encoders are perfectly interchangeable with the old ones.

As previously stated, nothing changes mechanically and the readhead has exactly the same encumbrance sizes. It is compact and narrow and can be paired with 1-mm, 2-mm, and 5-mm pole pitch magnetic tapes. The large air gap (up to 2 mm) enables minimum mounting time.

The fully encapsulated electronics integrated in the sensing head is optimally protected against dust, oils, liquids, contaminants, shocks and vibrations (**IP67 protection**).

The max. permissible speed is 10 m/s.

SME11 encoders generate quadrature signals with inverted signals and Index via Push-Pull (HTL) +10÷30Vdc and Line Driver (TTL) +5Vdc  $\pm 5\%$  output circuits. They are available with both cable and M12 connector outputs.

**Please note that the features of SME12, SME22, and SME52 encoders will remain unchanged.**

Find more information and technical specifications at [www.lika.it/eng/products/linear-encoders/incremental-1](http://www.lika.it/eng/products/linear-encoders/incremental-1)

