

DD51-E of Elesa+Ganter: the direct drive electronic position indicator with battery power supply

The device gives the possibility of reading the absolute or incremental positioning of a machine component

The family of Elesa+Ganter **position indicators** is enhanced by a new introduction that completes and perfects an already wide range, for many decades capable of presenting the market with extremely diverse **analogue, digital, and analogue-digital solutions**.

With the range of direct drive position indicators, Elesa+Ganter is in fact able to offer components that can be **fitted directly on the control shaft** and that are connected to the machine through a back position referring pin, setting itself apart - as sort of operation - from other gravitational and fixed reaction position indicators.

DD51-E, **electronic and with battery power supply**, joins its predecessors, the DD50, DD51, and DD52R. Its sizes make it interchangeable with the intermediate measurement version DD51; the **5-digit display**, on the other hand, reminds of the DD52R. It is indeed thanks to the wide **LCD** display with 8.00 mm height digits that the DD51-E ensures **excellent readability** even from a distance and from different viewing angles; the **window in transparent technopolymer** moulded over the case protects the display against accidental shocks.

The base and the case are made of high-resistance polyamide based technopolymer and are **ultrasonically welded**, which prevents separation and avoids dust and liquid penetration, ensuring a high protection class (IP65 or IP67); this makes the DD51-E suitable for applications requiring **frequent washing**, even with water jets. The bushing and the pressure screw for the assembly to the shaft are made of AISI 304 stainless steel, to ensure high corrosion resistance.



What makes the DD51-E position indicator unique are mainly the **many programming possibilities**. Through the three function keys, it is possible to select the different available functions (absolute or incremental measure mode, conversion of the measure unit - mm/inches for linear measure, degrees for angular measure, selection of the absolute counter, selection of the offset value), and to program many parameters, including: reading after one revolution of the control shaft, the maximum rotation speed and direction, the display orientation, and the type of resolution.

Completing the profile of the innovative direct drive electronic position indicator offered by Elessa+Ganter, is a further characteristic: the **long duration** (over 5 years) of the **internal lithium battery**, which can be **easily replaced** without the disassembly of the indicator from the shaft, and without the loss of the configured parameters.



Contact: Davide Franzetti
Phone: +39 039 28.111
E-mail: davide.franzetti@elesa.com

Elesa S.p.A.
Via Pompei, 29 – 20900 Monza
Italy
Tel. +39 039 28 111
fax +39 039 83 63 51

www.elesa-ganter.com
info@elesa-ganter.com