

## New Elesä MPI-R10 Magnetic measuring system with seven-digit display, for linear or angular measurement

The new Elesä MPI-R10 magnetic measuring system in IP54 or IP67 housing provides seven-digit remote readout of linear or angular measurements. Offering a solution which benefits the operative to manage equipment safely, accurately and quickly without the need to personally access the materials or the measuring head. Whilst providing an accuracy of  $\pm 0.1\text{mm}$  and a resolution of  $0.01\text{mm}$ , it is suitable for use in many sectors and industries. The MPI-R10 magnetic measuring system has proven useful across machining, cutting, assembly and positioning for woodwork, alongside other industries for structural component assembly, such as building fabrication, production of frames and more. Ideal for situations in which contact isn't advisable or where dirt, dust or swarf may interfere with other measuring equipment.



The MPI-R10 magnetic measuring system is used with an FC-MPI sensor in combination with an M-BAND-10 magnetic strip to form a complete system for the measurement of linear and angular displacement (with a minimum radius of 65 mm). The system is characterised by an extremely easy assembly and offers precise alignment and positioning, reducing time and keeping machining cycle times to the minimum.

Maximum ease of assembly and disassembly is complimented with 4 multifunction keys for easy programming to display values in millimetres, inches or angular degrees as absolute or incremental readings. The MPI-R10 provides up to 10 programmable offset values with storage and display of 32 target positions. The display is housed with a polycarbonate front plate resistant to greases, oils, alcohol and mineral acids.

The FC-MPI magnetic sensor with cable features a die-cast zinc alloy nickel-plated body and snap assembly cable connector, which facilitates insertion and guarantees correct connection even in the

presence of vibration or accidental movement. Measurement is facilitated by a self-adhesive M-BAND-10 strip for attachment to the machine base.

Further information regarding Elesa products may be found [here](#).