

ILEE NEWS 07/04

New Displacement sensors and Scanners from



The products from MEL fit superbly into the I.L.E.E. product range, because MEL is known to be one of the leaders among the Sensor-specialists for modern automation. Since 1985 MEL develops, produces and sells intelligent optical and inductive sensors for the identification and measuring of objects and the verification of surface quality. These systems are equally suitable for quick 100% testing in the automated production as well as the scientific laboratory use. MEL M2DW-Laserscanner has an excellent reliability record in the welding technology of rail tracks. Custom made systems are available for a variety of welding seam test processes. MEL also delivers sensors and identification decoder for use in lacquer lines and in the heavy industry. These durable products withstand exposure to vibration, dirt and high temperature and work perfectly reliable in the tough environment of these applications. The smart MEL radio controlled interface used in computerized production lines has provided information for the immediate correction of identified product deviations for automated quality control in large industrial installations for years. Apart from standard series products, MEL offers special developments and customised integrated solutions.

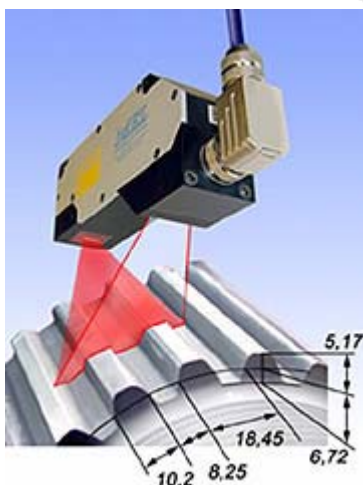
Analogue and digital optical displacement sensors



Characteristics:

- Analogue and digital optical displacement sensors
- Range from 0.5 to 100 mm
- Resolution up to 10nm
- Vibration detection to 500 kHz
- Pulse timing to > 100 m

Scanners for profiles and gaps



Characteristic:

- Scanners for 50 to 600 mm
- Resolution up to 2µm
- For highly reflective or dark parts with inhomogeneous or uneven surfaces
- Not sensitive to colour changes
- Synchronisation of 2 scanners