

DEFECTOMAT DA



Non-destructive eddy current testing for the detection of transverse defects in long products such as tubes, bars, wires and profiles



Future-proof with the DEFECTOMAT DA

The DEFECTOMAT DA is fully equipped to meet all current and future testing requirements. FOERSTER has designed its evaluation electronics with several decisive features that are specifically tailored for this purpose. State-of-the-art digital technology combined with a sophisticated system architecture achieves maximum reproducibility at high testing speeds, resulting in increased productivity and process reliability. The system is fully digital, modular in design, and driven by an innovative operating software. The DEFECTOMAT DA and its corresponding expansion options set you up with maximum flexibility for changing test requirements.

The benefits

- **Simple operating structure:** The software is intuitive to use, with context-sensitive online help available. The multi-user interface allows simultaneous access by several people at once.
- **Maximum flexibility for your requirements:** The modular system structure allows you to expand and optimize the system whenever needed. It is compatible with all other FOERSTER sensor systems.
- **Improved test quality:** Immediate digitization at the sensor minimizes the influence of electromagnetic radiation.
- **Patented digital tracking filters:** Dynamic adjustment of the filter position to the test speed – even up to 150 m/s.
- **Seamless documentation:** The software creates individual test reports in standard formats and archives all test results.

Digitization for improved test quality with the DEFECTOMAT DA

The innovative test electronics digitize the analog signals directly at the sensor. This means that all test results are available in real time. The physical proximity of the test electronics to the sensors provides for short connection cables, which minimizes the influence of electromagnetic radiation and significantly increases the test quality.

Easy to use, thanks to DEFECTOTEST DA software

For simple operation, the software interface is divided into control elements and a central area where all the relevant information is displayed in freely configurable window views. We've also optimized the buttons for touchscreen input. The uniform color coding of the elements facilitates quick orientation and helps prevent errors.



DEFECTOARRAY: Patented sensor technology for clearance compensation

Constructed in several segments, each with a clearance winding, the patented DEFECTOARRAY sensor can reliably check for material defects whether the pieces are guided centrally or eccentrically. Multi-channel inspection enables a very precise display of defects on tubes or bars. It detects not only the longitudinal but also the circumferential position of the defect. This simultaneously allows you to quickly locate the defects post-inspection and provides valuable information about the production process itself.



Want to know more about how the DEFECTOARRAY sensors work? Follow the QR code to our YouTube channel!



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