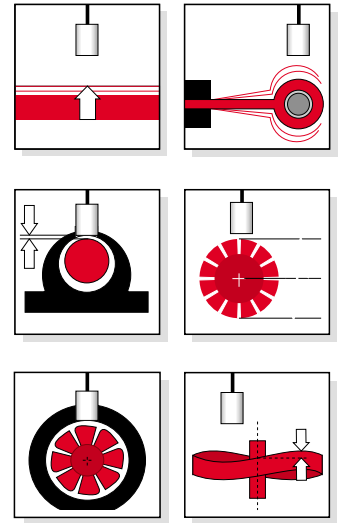


eddyNCDT 3300

Eddy-Current Displacement Sensors



For years now Micro-Epsilon has been setting new standards in displacement measurement using eddy-current technology. With the new eddyNCDT (eddy-current non-contact displacement transducers) fundamentally new perspectives are opened up for the user with regard to operation and technical features. A new and modern controller conditions the sensor signals ready for the user. The linearization in the field is substantially simplified with an integrated microcontroller and the best accuracy is obtained for each conductive measurement object (target) and for each application environment. Operation is supported by a dialog-aided, illuminated LC graphical display. The measurements are output as voltage and current. They are also displayed in metric or imperial units on the graphical display of the controller. The functional features are extended by limit monitoring, auto-zero, peak-to-peak value, minimum, maximum and selectable low-pass output filters.



features

- Measuring ranges 0.4 ... 80 mm
- High resolution 0.005 %
- Linearity 0.2 %
- Up to 3 configurations can be stored
- Enhanced functionality
- Robust sensors with IP67

eddyNCDT 3300 is designed for industrial use in factory automation, for machine monitoring, for inspection and for measuring and testing.

The illustrated examples show only a small selection of the numerous possibilities for the application of eddyNCDT systems.

- displacement, position, elongation, dimension, length
- vibration, amplitude, run-out, oscillation, clearance
- bearing oscillation, wear, lubricating gap
- commutator concentricity, roundness, air gap, pitch
- compressor / turbine gap, revolutions, speed
- stroke, deformation, axial shaft oscillation

