



Brüel & Kjær Vibro



Displacement sensor system series ds821 and ds822

Non-contacting eddy-current displacement sensors for machine protection and condition monitoring



Sensors are the fingertips of any vibration measurement installation. Only high-quality sensors ensure that measurements are taken reliably and provide the necessary signal input for accurately monitoring the machine's condition. We from Brüel & Kjær Vibro develop our sensors to the highest standards and in close cooperation with our customers to meet their demanding requirements.

Our wide range of sensors has now been extended by the 2 mm measuring range family members of the non-contacting eddy-current displacement sensor (ECDS) systems:

- **Series ds821** - Suitable for standard applications
- **Series ds822** - For use in hazardous environments (ATEX, IECEx, EAC Ex, UL HazLoc)

Both series are now available in 4 mm and 2 mm measuring ranges and are designed for monitoring rotating and reciprocating machines with journal-bearings in a wide range of industrial applications:

- **Vibration** (radial and axial vibration and displacement)
- **Reference** (phase reference and speed measurement)
- **Position** (e.g. axial shaft position, rod-drop/rod position).

Some of the system's outstanding features:

- **Auto selection of system length:** The same ECDS oscillating driver unit can be used for both 5 m and 10 m cable lengths; this minimizes inventory costs and simplifies installation
- **Push-pull self-latching connectors** for secure, fast and easy installation on site; wrong assembly is avoided
- **Very good EMC behaviour**
- **Excellent temperature stability**
- **Ceramic probe cap** for use in harsh surroundings
- **Solder tip design** for 2 mm measuring
- **High reliability**, even in harsh environments
- **Compliance to API 670**

The new sensor systems have the same high standard of design, construction, performance and reliability as do all Brüel & Kjær Vibro displacement sensor systems. This proven quality plus the new connection concept make them ideal for both machine protection and condition monitoring installations.

Our in-house service ensures the systems can be used for many years.

For more information, please contact your local sales representative or go to **www.bkvibro.com** for more information on this sensor system and our complete product portfolio.

Contact

Brüel & Kjær Vibro GmbH
Leydheckerstrasse 10
64293 Darmstadt
Germany
Phone: +49 6151 428 0
Fax: +49 6151 428 1000
info@bkvibro.com

www.bkvibro.com