

4B Group Introduces VIBMIL Vibration Sensor: Revolutionizing Industrial Vibration Monitoring

LEEDS, U.K. — 4B Group has unveiled their latest innovation, the Vibmil Vibration Sensor (VIBMIL), a condition monitoring solution designed for continuous monitoring of vibration levels and temperature in industrial environments and hazardous areas up to ATEX/IECEX Zone 20 and Class II Div 1.

VIBMIL is a current loop-powered accelerometer, delivering precise vibration RMS velocity readings through a 4-20 mA output. Encased in a robust stainless-steel enclosure with a 3/4" NPT thread for conduit connection, VIBMIL assures durability in the harshest industrial conditions.

For added versatility, it can be supplied with optional inbuilt NTC or PT100 temperature sensors.

Designed with ease of use in mind, the VIBMIL comes equipped with a female 1/4"-28 UNF mounting thread, allowing secure attachment using screws, studs, or mounting studs. Optional converters to M8 and M6 male threads provide additional flexibility.

Integration into control systems is seamless, thanks to the 2-wire, loop-powered accelerometer, providing linearized output from 4 – 20mA, proportional to the sensor's measuring range.



4B VIBMIL Vibration Sensor

“The VibMil has been designed with our core markets in mind”, explains Sam Payne, 4B Group CTO for electronics. “The mandatory requirement to have ATEX / IECEx / Class II Div 1 approved products within dust hazard location means that many similar products on the market are not suitable. The VibMil can be installed with confidence within the most demanding dust hazard areas. Also, the added temperature sensor option means the condition monitoring applications which were previously surface temperature only, can now add that extra level of analysis and visibility of the running state of a machine.”

The VIBMIL Vibration Sensor sets a new standard in industrial vibration monitoring, providing reliable and accurate data to optimize performance and ensure equipment longevity. For more information, visit 4B’s website: www.go4b.com.

About 4B GROUP:

A subsidiary of The Braime Group, 4B GROUP has been an industry leader in developing high quality, innovative, and dependable material handling components for the agricultural and industrial sectors.

4B’s product line ranges from elevator buckets, elevator bolts and drop forged conveyor chain to level monitors, speed switches and hazard monitoring systems. With offices in North America, Europe, Asia, Africa, Australia and the Middle East along with a worldwide distribution network, 4B can provide practical solutions for applications in any location.