

General purpose velocity transducers with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments.

Our general purpose monitoring sensors are ideal for use with PLCs and other industrial controllers to provide the user with a continuous 4-20mA vibration output. Changes in the monitor signal alert the user to spot vibration changes in the part of the machine to which the sensor is attached. Rapid changes indicate conditions such as machinery working loose from its mountings, fan blade malfunction or bearing failure, all of which require immediate attention and machine shutdown to avoid widespread damage and greater loss of machine time. Logging of the signal at regular intervals can also provide trending information on vibration, indicating progressive wear requiring replacement or detailed study with a portable vibration analyser.

Suitable environments

- Standard industrial conditions
- Submersible and long term wet operation
- Approved under ATEX, IECEx and ANZEx for use in hazardous areas

Additional benefits of the 2285 Series

- Redesigned electronics plus an internal Faraday shield
- Reduced noise and interference in real industrial environments
- Improved isolation and easier connection

MTN/1185



MTN/2285



Technical

- **Frequency range:** 2Hz – 1kHz
- **Temperature range:** -25 – 90°C
- **Temperature range (submersible):**
- **Output:** DC 4-20mA
- **Entry type:** Top or side entry with integral cable or connector
- **Hazardous area:** ATEX and IECEx Group II certified
- **Sealing:** IP67
- **Sealing (submersible):** IP68*

Optional velocities

Mounting	Optional velocity (mm/s)
¼"-28 UNF Female	0-10
	0-20
	0-25
Q/F Female	0-50
	0-100

*For further information on the products listed on this page, or to discuss a more bespoke solution, please call us on +44 (0)1494 816569 or email info@monitran.com or visit www.monitran.com.