

VMS-1911

Reflection Tape



About the Zebra Tape

The VMS-1911 is the zebra reflection tape that is designed to be placed on the rotating shaft and sensed by the laser optical sensor. The front face of the tape is protected by plastic coating. The back side of the tape contains an adhesive layer that hardens at temperatures above 70 °C that makes the tape very resistant. The tape can be operated in temperature range from -40°C to 130°C without any significant changes.

The width of the tape was designed to fulfill special installation demands by the turbine operator, which is a rotor placing tolerance, shaft sensor spacing and detection accuracy. Typical applications are mostly the torsional vibration measurement, and Torque measurement. The Zebra tape was designed to speed-up system installation and to get better integrity of the system.

VMS-1911 is compatible with all VMS optical sensors such as VMS-1503 and VMS-1903.

Parameters

Length of reflective stripe	1 cm
Length of non-reflective stripe	1 cm
Total length	3 meters
Width	2 cm
Industrial coating	yes

VMS-1911 specification

- 2cm wide
- 3 meters long
- Special coating
- Highly reflective
- Industrial quality



VMS-1911 Reflection Tape

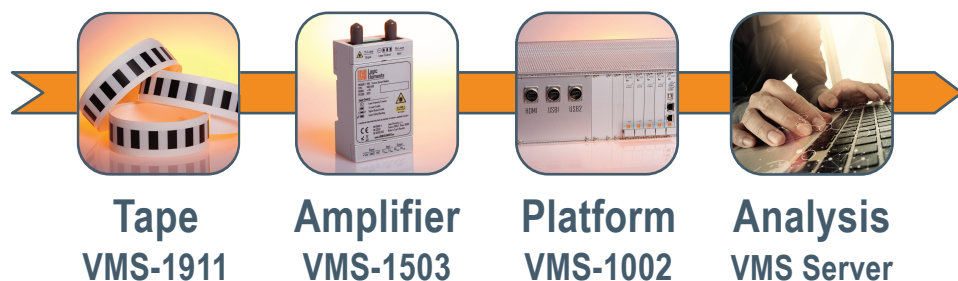
The application chain for torsional measurement consists of reflection tape, laser sensor, and vms platform. When measuring torsional vibration, our TVMS special platform can be used. It is a compact unit equipped by industrial PC and sensitive electronics integrated in a single 3U unit (VMS-1002).

We know that the industrial environment is harsh, therefore, we provide a special plastic coating on the VMS-1911 Zebra Tape to be cleanable even during the operation. If an oil or petroleum jelly gets the tape dirty, it could be wiped easily.

We also know the time for installation is very expensive because it means the power plant is not in duty. At this stage every second counts. This is the reason why the VMS-1911 has glue on and everything you need to do is just to degrease the place where the tape is supposed to be installed.

Compatible sensors

- Laser sensor
- PT1000



TVMS Signal chain

