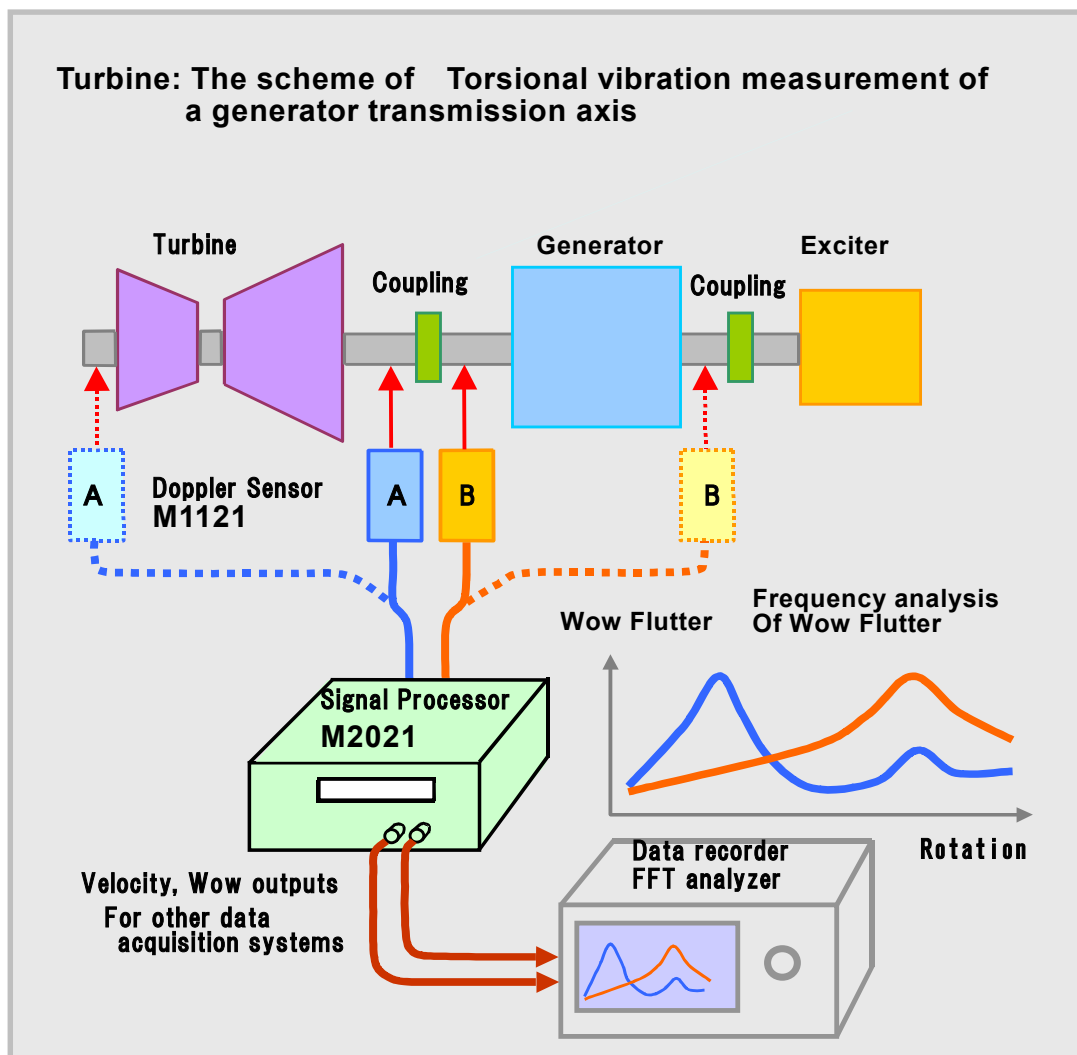


MODEL-2021 Application

Turbine: Torsional vibration measurement of generator transmission axis



MODEL-2021 can measure the **rotational velocity** or a **wow flutter** of the axis that connects the **turbine** with the **generator**.

And, the resonance frequency and the **torsional vibration of the axis** can be measured accurately.

This simultaneous measurement can make more analyses become possible by operating **the difference of the two measurements between two points** as for this device.

The laser Doppler method is a velocity determination by the optical methodology. This is **non-contact method** that not needs accurate gear on the axis for detecting the rotation, which is one of conventional methods. Moreover, the **coupling and the axis alignment are unnecessary** like a rotary encoder needs them.

The **colors and conditions on the surface** of the object **never influence** the measurements in our sensor.

Because the optical measurement does not become the load of the rotation, it is one of **the best choices for the velocity measurement**.