

BEARINGLESS FLANGE/SHAFT TYPE TORQUE TRANSDUCER

The torque sensor is the ideal choice to measure extremely high torque. It improves productivity and efficiency when measuring high torque – while ensure absolute ease of operations.

The bearing less non-contact version is the ideal solution for power test benches for ship's main engines or tests in the offshore, automotive or heavy engineering industry.

The integrated electronics in the rotating sensor ensures easy of use and offers fast measurement results. The electronics ensures ease of calibration tasks.

- **Cost-effective and maintenance-free:** Design is without bearings or slip rings
- **Easy to use:** the rotating version features integrated electronics, easy control and fast measurement results
- **Reliable:** Fast and responsive output on Remote Electronics in Digital /Analog formats as per customer choice
- **RTC:** The torque output is available with Real Time Output to ensure correlation with other associated process parameters

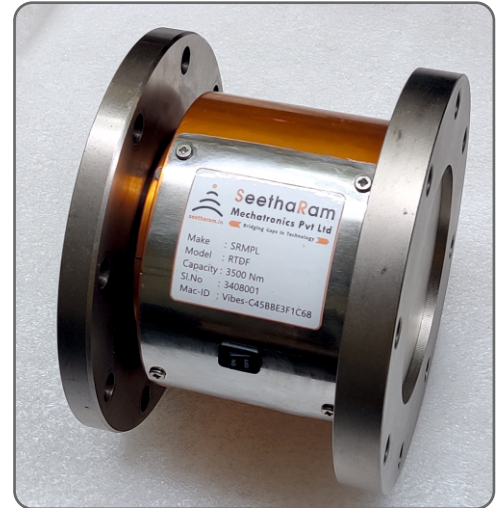
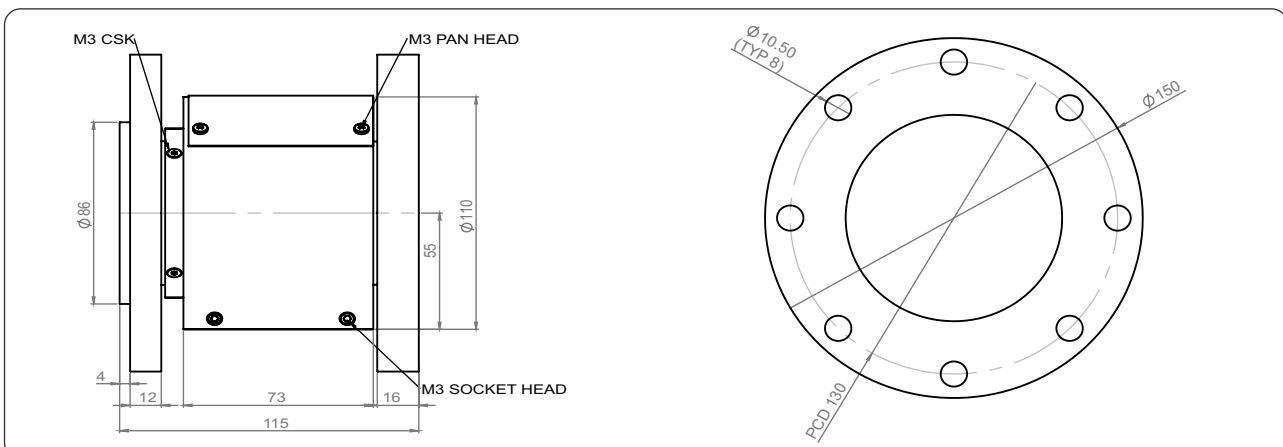
KEY FEATURES

- Nominal (rated) rotational speed: upto 6,000 rpm
- Available in rotating and non-rotating versions
- Without bearings or slip rings
- Small foot-print design
- Optional speed measuring system with RPM output as pulse or proportional analog output depending on measuring range

TECHNICAL SPECIFICATION

Model	RTDF
Accuracy	0.2%
Non-Linearity	0.2%
Repeatability	0.05%
Output	RS485
IP Protection	Sensor : IP54 Output Module: Ip55
Power Supply	3.6V Lithium Battery Rechargeable through USB C on both Sensor & Output Module

DIMENSION DETAILS

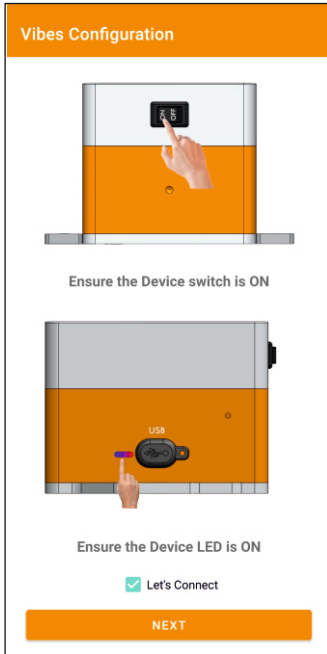


Specifications are subject to change without Prior notice

Sensor Configuration

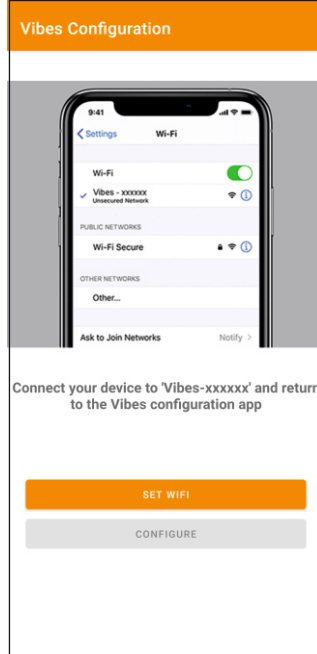
Instructions

Step:1 Open Vibes configurator app on your Android device. and ensure the devices turned ON.



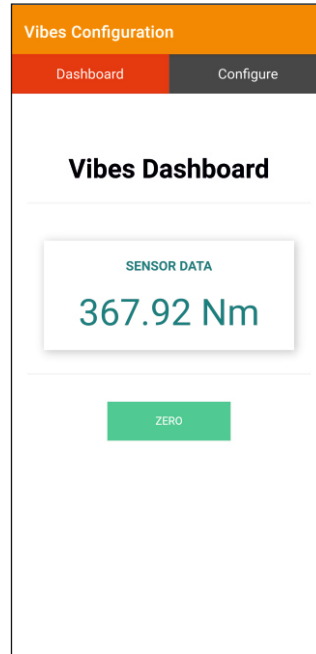
Device Connections

Step:2 Connect your mobile wi-fi with Vibes device and return to the Vibes configuration app and select configure.



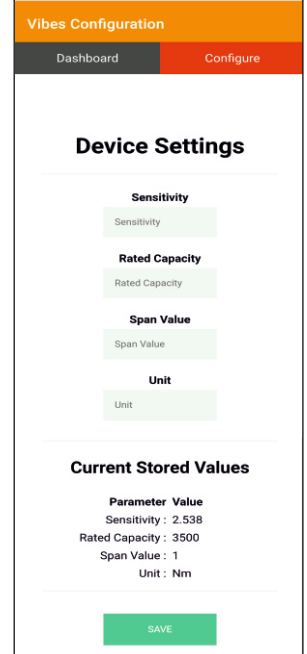
Dashboards

Step:3 Here you can monitor device data on local dashboard and can Tare / Zero the sensor value, if there is any pre-load



Sensor Configuration

Step:4 Enter your sensor data. Ensure the details you have entered are visible in "Current Stored Values".



Output Module Configuration

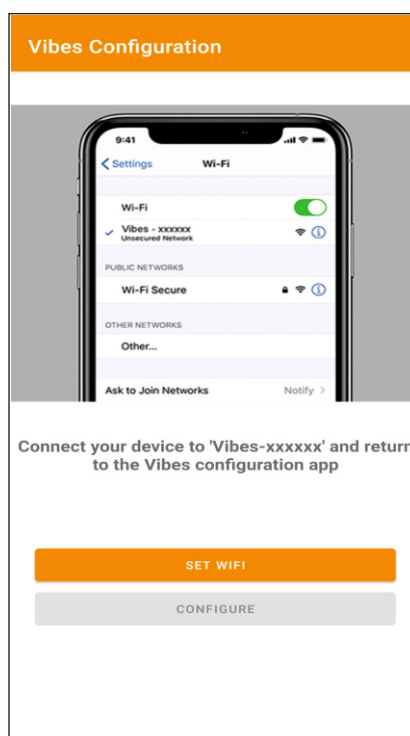
Instructions

Step:1 Open Vibes configurator app on your Android device. Turn OFF the sensor device and Turn ON the configurator device to pair with the sensor device.



Device Connection

Step:2 Connect your mobile wi-fi with Vibes device and return to the Vibes configuration app and select configure.



Configuration

Step: 4 Enter your device SSID credentials in Wi-fi credentials to view sensor data wirelessly on configurator. Configure Modbus parameters for communication output. Ensure the details you have entered are visible in "Current Stored Values".

