

BEARINGLESS FLANGE/SHAFT TYPE TORQUE TRANSDUCER

Power Take-Off (PTO) Torque refers to the rotational force generated at the PTO shaft of a vehicle or machinery, which is used to drive auxiliary equipment such as hydraulic pumps, generators, or agricultural implements. It is a crucial parameter that determines the ability of the PTO system to transmit power efficiently to attached implements

PTO torque is essential for ensuring that connected equipment operates efficiently without overloading the system.

It is widely used in various industries where external equipment needs to be powered by a vehicle or machinery.



KEY FEATURES

- **Rotational Power Transmission** – Converts engine power into mechanical torque to drive auxiliary equipment.
- **High Efficiency** – Directly transmits power from the engine, reducing energy losses compared to standalone motors.
- **Durable & High Load Capacity** – Designed to withstand heavy loads and continuous operation, ensuring long-lasting performance.
- **Safety Mechanisms** – Includes overload protection (shear pins, clutches) to prevent damage to machinery.
- **Standardized Interface** – Compatible with various attachments through standardized PTO shafts and couplings.

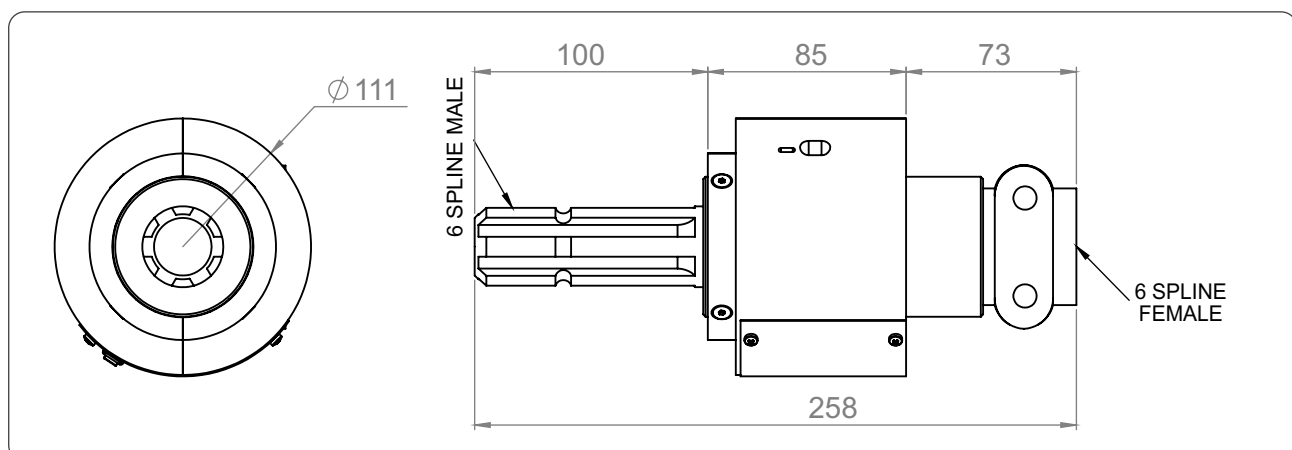


TECHNICAL SPECIFICATION

Model	PTOT
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

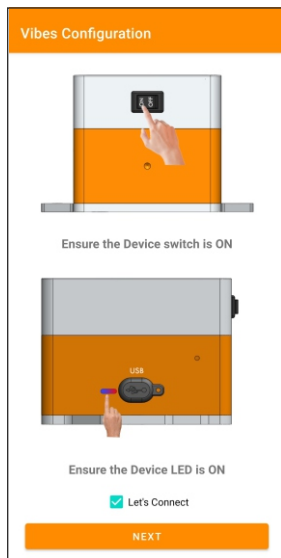


Specifications are subject to change without Prior notice

Sensor Configuration

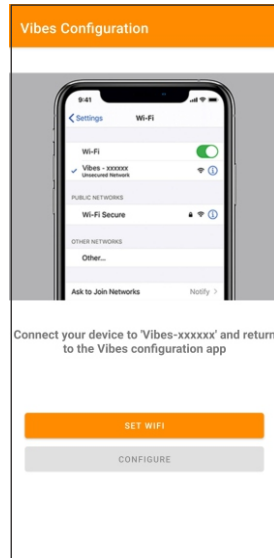
Instructions

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



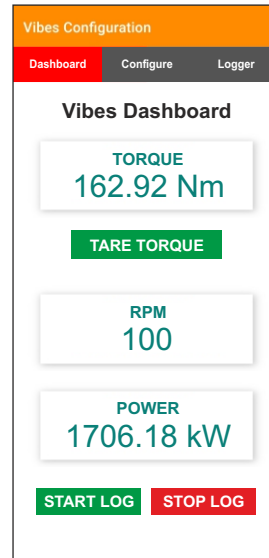
Device Connections

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



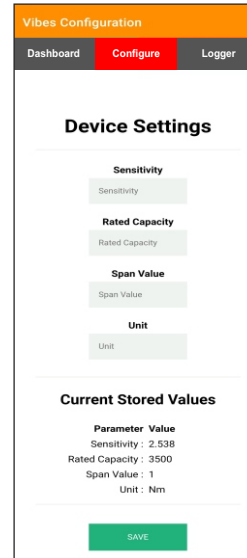
Dashboards

Step:3 Here you can monitor device data on local dashboard



Sensor Configuration

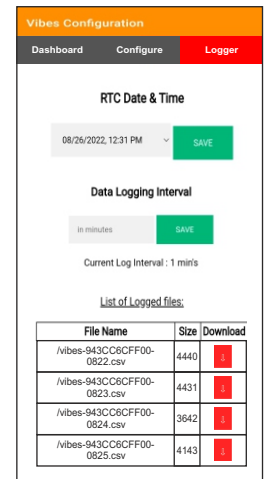
Step:4 Enter your device SSID credentials in Wi-fi credentials to view sensor data wirelessly on configurator. Configure Modbus parameters for communication output. Ensure the details you have entered are visible in "Current Stored Values".



Data Logger Configuration

Step:5 Data Management

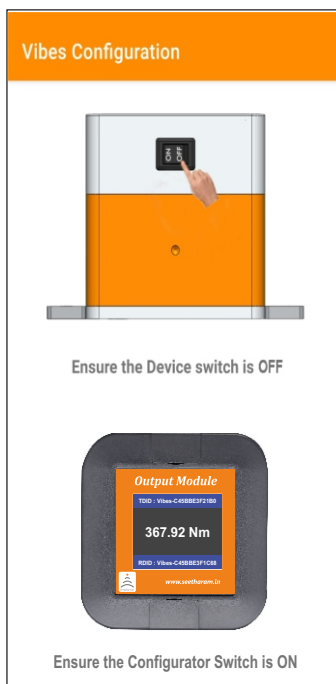
1. Download file by clicking the download button in CSV format
2. A new file will be generated in mm/yy format every calendar month
3. Delete files after downloading as per your choice. Please note file will be deleted permanently



Output Module Configuration

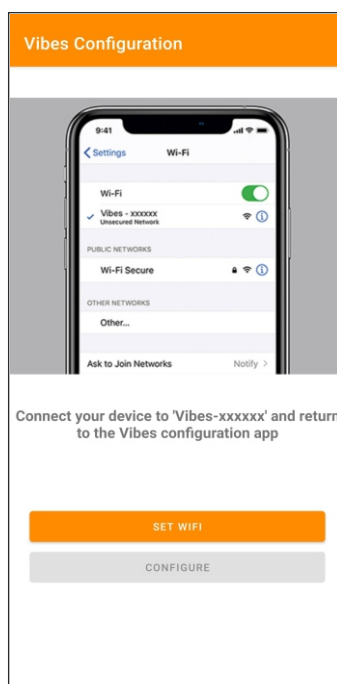
Instructions

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.



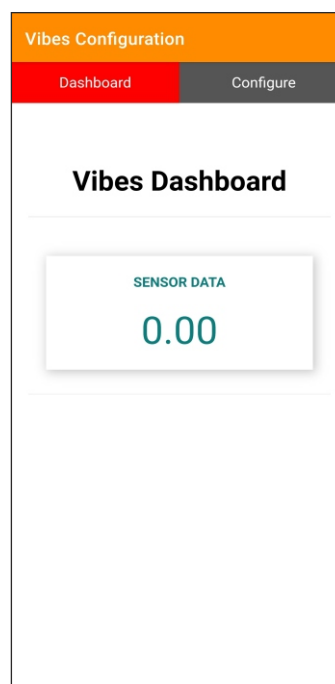
Device Connection

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



Dashboard

Step:3 Here you can monitor device data on local dashboard



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".

