

New Product Highlight

The modelD evaluation kit – vibration energy harvesting

ReVibe Energy introduces the modelD evaluation kit which gives you the opportunity to evaluate vibration energy harvesting in your application.

The modelD harvester is a state-of-the-art vibration energy harvester which has the capacity to generate output from acceleration levels as low as 0.05 g. For this exclusive series of evaluation kits launched via DigiKey we have preset the center frequency of the harvester to either 50, 60 or 80 Hz. The harvester itself has a bandwidth (defined as 50 % outside of peak power) of 5 Hz which means that the harvester will generate a solid output even outside the center frequency. 50, 60 and 80 Hz represent frequencies that very often appear in potential applications in industrial environments, the railway sector, mining & construction as well as aviation. We're hoping that this evaluation kit will give you an opportunity to test our products and afterwards reach out to us for a deeper cooperation.

Included in the evaluation kit:

- One modelD harvester tuned at 50, 60 or 80 Hz
- One holder for easy mounting with M5 bolts
- AC output for efficient measurement of performance
- 1000 Ohm internal resistance
- Industrial grade connector
- 1 m connecting cable with two open ends

Potential applications for vibration energy harvesting:

- Power vibration monitoring systems for rotating machinery
- Power GPS/positioning system on moving assets
- Power fleet management solutions
- Power condition monitoring/predictive maintenance systems in industrial environments
- Power condition monitoring/predictive maintenance systems in construction & mining

