

OVERVIEW

MX2040 Dynamic Signal Checker - mils_{pp} (μm_{pp})

The MX2040 dynamically tests the vibration monitoring system loop by the simulation of rotor vibration.

Inside the compact housing there is a measuring target which is forced to oscillate at a defined value.

The oscillator is controlled by a compact handheld device. There is a magnet on the backside of the controller, so it can be fixed to a convenient position. The rechargeable battery lasts for several hours. The Dynamic Signal Checker can also be operated by the external power supply via USB.

The system oscillates at 112 Hz. Amplitudes up to 10 mils_{pp} ($250 \mu\text{m}_{pp}$) can be set by UP/DOWN buttons. Four user defined settings can be stored and used as shortcuts for faster adjustment.

After having determined the loop sensitivity (probe, cable, driver) by means of a static calibration unit and a multimeter, with the Dynamic Signal Checker, the complete system (transmitter, wiring, indications, alarms) gets tested.

The Dynamic Signal Checker can be used for standard probes as well as for reverse-mount probes installed in a probe holder.



COMPLETE SYSTEM

The MX2040 system comes complete with:

- Vibration Simulating Unit (94 x 90mm)
- Prism Holder for probe diameters from 8 to 22mm
- Controller (98 x 64 x 40mm)
- USB Charger Cable

