

3 Channel Ruggedised Vibration Monitor

DataFlex is a flexible and robust solution for the acquisition, remote monitoring and analysis of physical phenomena.

DataFlex can measure a wide variety of raw signals with on-board edge processing, real-time monitoring, advanced cloud analysis and reporting, and optional stakeholder web portal interfaces.

Key Features

- Flexible & reliable solution
- Automatic SMS & Email alerts
- Automated data processes
- Automated data upload
- Highly adaptable features
- Tailored target curves design to meet specific monitoring requirements (with frequency dependant trigger options)
- Monitor sites from anywhere in the world
- Interfaceable with a wide range of sensors, sensor sensitivities and frequency bandwidths



Specifications [Firmware version: v0.12.1-53A]

Compatible sensor types	Accelerometers, geophones, Velocity transducer, proximity probes, etc
Sensor power	IEPE or Voltage input (Switchable) with AC/DC Coupling
Sample rate	Up to 12,800 Samples per second (S/s) simultaneous sampling across all channels
Raw data recording	Configurable continuous waveform recording on all active channels
Communication & Positioning	4G Cellular & WiFi, GPS for position, speed and heading
Power	24VDC input
Environmental	Temperature: -20°C to +50°C - Relative Humidity: 10% to 90%
Analysis metrics	<p>Overall statistics</p> <ul style="list-style-type: none"> • Averaged RMS • Peak hold • VDV (Vibration Dose Value) • Specific Narrow Band (resolution limited to sample rate) <p>Spectra</p> <ul style="list-style-type: none"> • 1/3 Octave spectra (Lmin, Lmax, L10, L90, RMS) Peak
Alarming	<ul style="list-style-type: none"> • In-unit alarming available. Can be set for any of the overall statistics available • In-unit alarming available for 1sec 1/3 Octave spectra
Raw data	Raw waveform data recorded at maximum sampling rate, stored locally to the installed solid state drive. (Can store up to 30 days history, depending on solid state drive capacity)

Custom metrics, calculations and alarms can be implemented on request. Contact **Resonate Systems** to discuss requirements and pricing.

PRODUCT DATA DFDQ-3V



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