

S E E T H E U N S E E N

# Resonate

systems

The Data-Flex is a fully automated, highly customisable service for monitoring a range of different environmental parameters including Vibration, Displacement, Noise, Strain, Force and EMI. Reliable, unattended, long term monitoring your way. Designed for the highly technical projects with requirements that no single measurement device on the market will meet. Resonate Systems will customise the Data-Flex to meet your specific project requirements with ease.



**Flexible and robust** solutions

Customised suite of **Noise, Vibration, Strain, EMI, Load or Displacement Transducers** available



**Automatic SMS and email alerts**

Design triggering curves to meet your needs with frequency dependant trigger options



**Automated data processes** provide a focus on interpretation rather than collation and processing

Reduced effort **saves time and money**



**Automated data upload**

Monitor your site from wherever you need to be



**Highly adaptable features**

Tailored to meet a **large range of sensor sensitivities and frequency ranges**

*'Resonate Systems are generous with their knowledge and experience and committed to achieving the very best possible outcomes for their customers'*

FEATURE	DATA-FLEX
Input channels	Up to six (6) analogue input channels with individual filter and sensor configuration
Compatible sensor types	Accelerometer Velocity transducer Proximity probe Microphone Strain Gauge Magnetic Field Load Cell Displacement Transducer
Sensor power	Switchable IEPE
Sample rate	Up to 51,200 Samples per second (S/s) simultaneous sampling across all channels
Raw data recording	Configurable continuous waveform recording on all active channels
Analytics metrics	RMS Peak Pk-Pk Peak Hold VDV L10 L90 Leq Lmin Lmax Rolling Leq
Third octave spectra	1/3 octave statistics: Leq L10 L90 Lmin Lmax
Filter profiles	AS 2670 BS 6472
Alerts	Two (2) user configurable limits on analysis metrics and third octave spectra. Unit can be configured to send an SMS with alert details to a list of up to ten (10) recipients.
Communication	Internal 4G modem
Power	240VAC input
Environmental	Temperature: -20°C to +50°C Relative Humidity: 10% to 90%