



Ultrasound
Solutions

RAPSODYBOX



ULTRASOUND SIGNAL GENERATOR THAT SIMULATES DEFECT SYMPTOMS COMMONLY ASSOCIATED WITH THE 8 ULTRASOUND APPLICATIONS

TEACH

RAPsodyBox reproduces defects associated with leaks, lubrication, partial discharges, bearings, hydraulics, valves, steam traps or tightness applications.

It allows you to teach easily and safely your team before sending them on the field.

RAPsodyBox generates machines defects that can be detected, measured and analyzed by SDT solutions.

TRAIN

Train your hearing by listening to a library of defects collected by the SDT Ultrasound Solutions community.

Take static readings to get a better understanding of the four condition indicators that SDT devices offers.

Train yourself to understand an increasing trend. Analysis is the key to eliminate a problem.

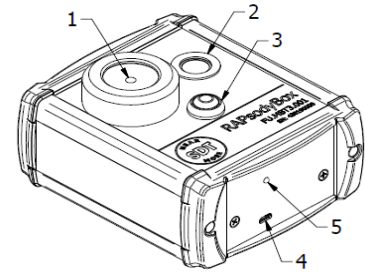
RAPSODYBOX FEATURES

Description:

The RAPsodyBox is a training tool designed around the 8 application pillars of ultrasound. It can be used to repeatedly reproduce a series of ultrasound scenarios that can be encountered in industry.

These scenarios can be used to explain the use of SDT measurement devices and show their possibilities as well as analyze the expected behavior on the measurements during machine maintenance, lubrication, leak detection, tightness inspection ...

SDT RAPsodyBox can also be used to reproduce specific recorded signals (using SDT instruments) encountered on the field (for demonstration and training purpose).



1. Structure borne transducer
2. Airborne resonant transducer
3. Push button
4. Micro USB type B
5. Status indicator light

Specifications:

General		
Dimensions [mm]		
Weight	520 g	
IP rating	40	
Materials	Anodized aluminum profile / plastic lid: ABS	
Communication	Micro USB type B, Bluetooth	
Signal Outputs (Typical)		
Structure borne transducer	Resonant frequency	60 kHz
	Thread	M6
	Signal amplitude range	50 dB
Airborne transducer	Resonant frequency	40 kHz +/- 1 kHz
	Bandwidth (- 6 dB)	2 kHz
	Transmitting sound level at maximum volume (with sine wave)	100 dB SPL at 1 m
	Total beam angle (- 6 dB)	55°

SDT: leader in acoustic detection for industrial maintenance

SDT's expertise has made it the undisputed leader in its field. SDT designs and produces measuring instruments for ultrasonic leak detection, predictive industrial maintenance, tightness testing and quality control. SDT's success is built on its determination to provide effective and preventive solutions to its customers' needs thus enabling them to optimize their profitability.



Ultrasound Solutions

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The RAPsodyBox is part of the SDT products range that combines robustness and high performance. It is available through our worldwide authorized distributors network.