

**DC.PAR2.DAT.01 Datasheet : ParaDish2**

05	TSA	ATEX version available (add part n° and review description)	2013-06-24
04	JPD	Modify laser safety information	2013-04-24
03	TSA	Add laser safety information	2013-04-10
02	TSA	Add temperature range + laser specifications + "with SDT270" in sensitivity raw	2012-09-24
01	TSA	Original version	2012-09-19
Revision	Writer	Nature of modification	Date

The information herein is believed to be accurate to the best of our knowledge.

Due to continued research and development specifications of this product can change without prior notice.



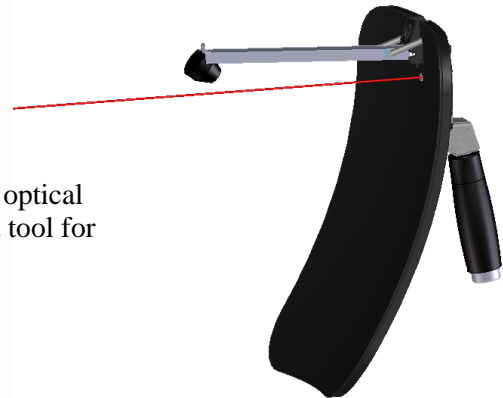
ParaDish2 - Datasheet

General Description

Working in combination with the SDT270 and the SDT200 devices, the ParaDish2 is a parabolic ultrasonic sensor designed to detect and identify US sources at long range (5 to 100 meters).

The unmatched sensitivity and directivity combined with the precise optical viewfinder and the integrated laser pointer make it a very convenient tool for leak detection campaigns and partial discharge localization.

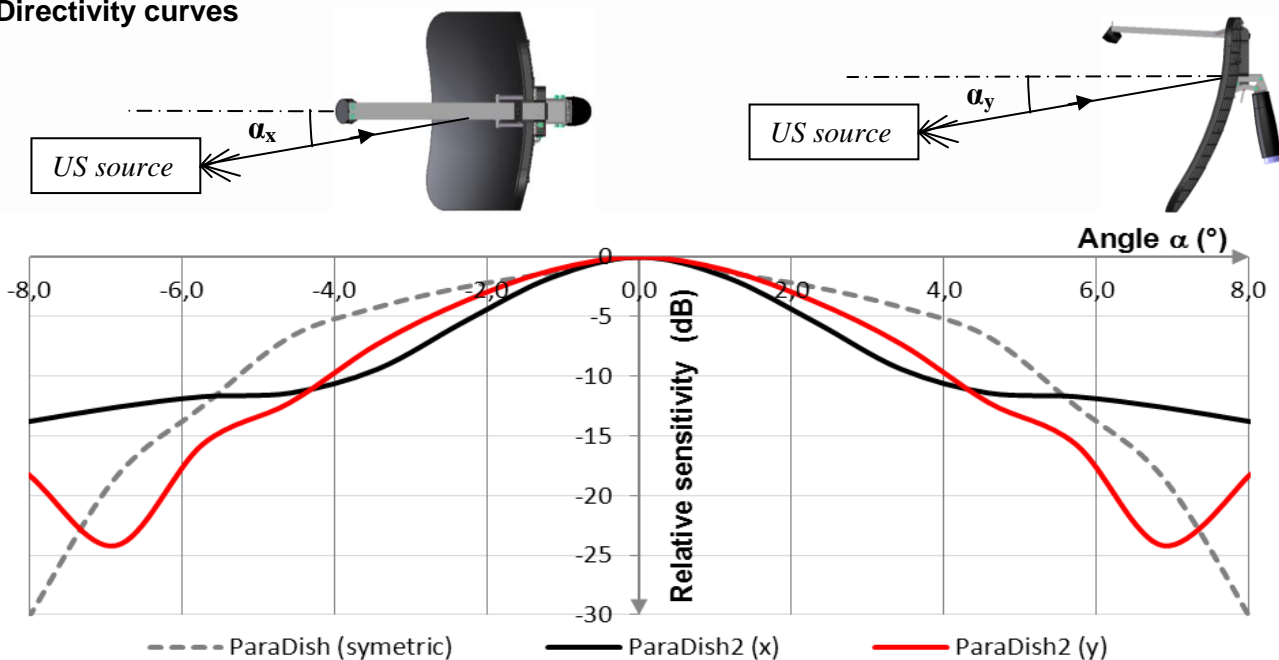
Also available in ATEX version, the sensor is robust, lightweight and easy to store thanks to its foldable arm and handle.



Technical Data

	ParaDish2	Old model (ParaDish)
Compatible with	SDT270 & SDT200	SDT 170, SDT270 & SDT200
Resonant frequency	40 kHz	40kHz
Sensitivity (40kHz – rel. to SDT270 int. sensor - 0° incidence)	+27 dB	+21 dB (meas. with SDT270)
Noise level (on a given SDT270)	-9 dB _{μV}	-2dB _{μV}
Red laser pointer specification	$P_{OUT} \leq 2.5 \text{ mW} - \lambda = 645...665 \text{ nm} - \text{Divergence} = 1.6 \text{ mrad}$ Class 3R (IEC 60825-1-07)	
Temperature range	-30 to +80°C (laser : +10 to +40°C)	+10°C to +40°C
Dimensions (folded)	339x240x80 mm	300x275x200 mm
Weight	965g	805g
Reflector material	Conductive ABS	Plexiglas
Parts numbers	FU.PAR2.001 (Std version) FU.PAR2.002 (ATEX version)	No longer available No ATEX version

Directivity curves



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Pictures



Laser safety information



**LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT**

- *Never look directly to the laser beam*
- *Never point the laser beam at a person' eye*
- *Do not aim the laser at specular reflection surfaces*
- *Never view the laser using an optical instrument.*

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