



DC.CP2.DAT.01 Datasheet: RS1NL100 – RS1NL300 – RS1NL500

Model Nr: FUSOND270(A)-model
 If ATEX ← → 01 or 02 or 03

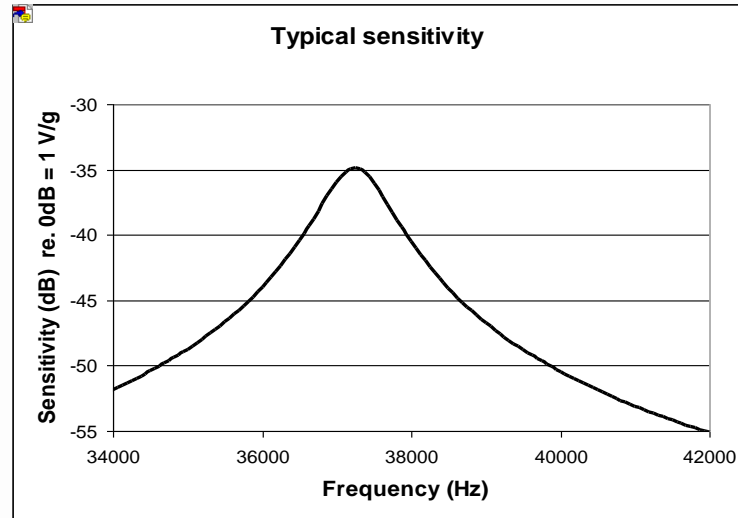
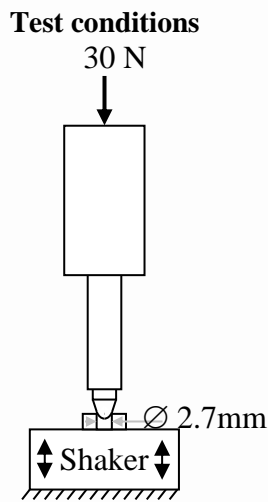


General Description:

The RS1NLxxx sensors are ultrasound sensitive contact probes. A piezoelectric crystal glued on a mechanical resonant structure ensures the transduction from vibration to electric signal.

Technical Data:

Sensor type	Vibration resonant contact sensor
Central frequency @ 20°C	37.2 kHz ± 500 Hz
RMS sensitivity from 36.4 to 40.4 kHz	9.7 mV/g ± 2 dB
Central frequency sensitivity to temperature	-12 Hz/°C (typical)
Temperature range	-10°C to +40 °C
Dimensions	∅36mm x 183 mm model RS1NL100 276 mm model RS1NL300 571 mm model RS1NL500
Weight	205g – 265g – 325g depending model
International protection rating	IP65



For ATEX model: - denomination: C E 0492 II(1) G Ex ia II C T

Rev.	Writer	Nature of modification	Approved
g	GEL 2016-04-01	Removed a non-pertinent reference to ATEX electrical specs.	MCH
f	RBT 2015-05-19	Layout's Update	GEL
e	TSA 2012-10-02	Add sensor names and models RS1NLxxx	GEL 2014-10-08
d	TSA 2011-08-25	Add weight of model 2 & 3	
c	TSA 2010-12-07	ADD document reference (DC.CP2...)	
b	TSA 2010-11-17	Add ATEX specifications and different tip length	

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.