



Chladni Plate, circular 1000705

Chladni Plate, square 1000706

Instruction sheet

11/15 ALF



1. Description

The Chladni plates are metal plates used for generating acoustically excited figures in fine dry sand, as in the experiment by Chladni. To be used for instance in conjunction with vibration generator (1000701). With 4-mm plugs.

2. Technical data

Dimensions:

1000705: 240 mm diameter
1000706: 180x180 mm²

3. Operation

To perform experiments the following equipment is also required:

1 Vibration Generator	1000701
1 Function generator FG 100 @230 V	1009957
or	
1 Function generator FG 100 @115 V	1009956

Experiment leads

- Attach the Chladni plate to the vibration generator.
- In order to avoid damaging the loudspeaker inside the vibration generator, hold the mounting still with one hand whilst attaching or removing the Chladni plate with the other.
- Connect a function generator and modify the frequency.
- Watch the formation of resonance patterns.



approx. 128 Hz



approx. 155 Hz



approx. 397 Hz



approx. 667 Hz



approx. 772 Hz



approx. 970 Hz



approx. 1600 Hz



approx. 1847 Hz



approx. 2776 Hz



approx. 119 Hz



approx. 433 Hz



approx. 504 Hz



approx. 1054 Hz



approx. 1847 Hz



approx. 3000 Hz