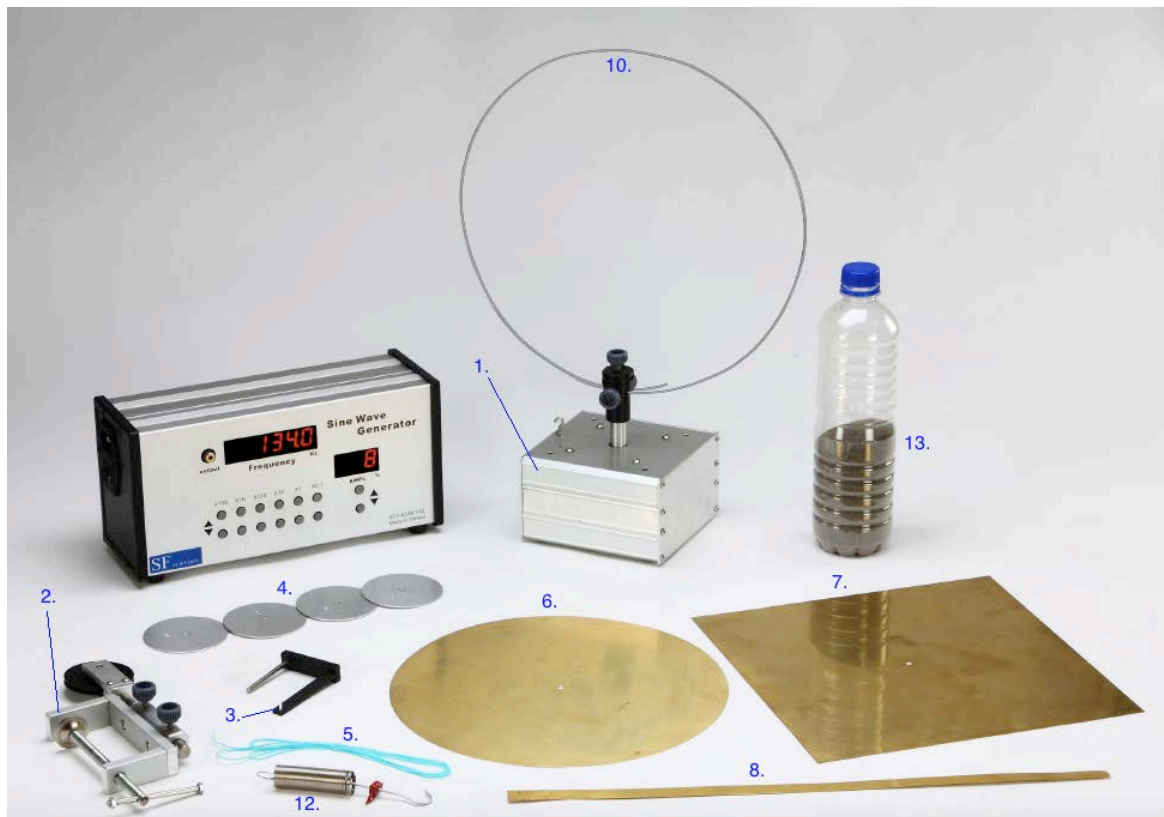


## F15 Standing Waves and Resonance



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### **Experiments:**

1. Analytic resonance of standing wave for string
2. Chladni plates
3. Bohr atom model
4. Vibration modes of spring
5. Metal resonance strip

### **Specification:**

1. Vibrator x1

Aluminum case inside with a 4 $\Omega$ /25W speaker at top of it with a plastic pillar to easy fix metal stripe or circular metal wire or string, side of box with a support rod holder. Size 14x12x15cm

2. Precision pulley with table clamp x1
3. U type aluminum hanger x1
4. Aluminum weight 10gx4
5. Different mass of string x3
6. Chladni's figure square plate 25x25cm x1
7. Chladni's figure circular plate  $\Phi$ 25cm x1
8. Metal stripe 40x1cm x1
9. Metal support rod 60cm x1
10. circular metal or plastic wire x1
11. Spring hanger x1
12. Spring x1
13. Fin sands x1

Option:

1. Sine wave signal generator x1