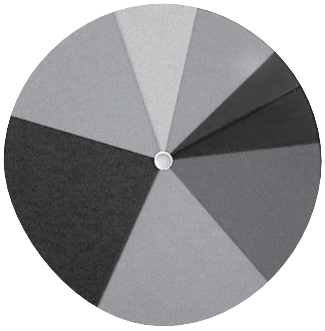
Colour Disc 1002983

Operating instructions

06/18 ALF



The colour disc is used to prove that an additive mixing of individual colours of the visible spectrum results in the colour white.

1. Description, technical data

This plastic disc consists of segments coloured red, orange, yellow, light green, dark green, light blue, dark blue and violet. A central borehole (approx. 10 mm) allows attachment to a motor with drive control (1002705).

Diameter: 170 mm

2. Procedure

- Fit the colour disc perpendicularly on the motor with drive control and tighten the knurled screw.
- Turn on the motor and set it to a speed higher than 8 revolutions per second.
- At this speed, persistence of vision prevents us from being able to distinguish between the individual colour segments, thus resulting in additive colour mixing. For technical reasons, the resultant colour is not white, but grey.
- It is advisable to illuminate the colour disc from the front by means of a lamp.