Application No. 738: Ferrofluid installation "proxemics"

Author: Alka Cappellazzo, Mailand, Italy, alka.cappellazzo@gmail.com

Movement near the ferro fluid influences its shape

The goal of my interactive installation "proxemics" is the close observation of the fascinating ferro fluid (www.supermagnete.es/eng/M-FER-10) in a glass container.

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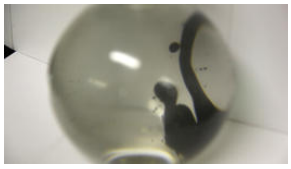

The proximity sensor measures movement outside of the glass (e.g. approaching hands) and passes the information on to an Arduino board, which steers two flat disc magnets S-25-05-N (www.supermagnete.es/eng/S-25-05-N) and sets them in motion. The magnetic field of the magnets influences the movement of the ferro fluid and causes rather spectacular shapes and bubbles.

Articles used
1 x M-FER-10: Ferrofluid 10 ml (www.supermagnete.es/eng/M-FER-10)
2 x S-25-05-N: Disc magnet Ø 25 mm, height 5 mm (www.supermagnete.es/eng/S-25-05-N)

Online since: 17/03/2014