

## **Application No. 738: Ferrofluid installation "proxemics"**

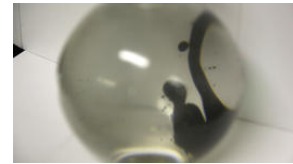
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### **Movement near the ferro fluid influences its shape**

The goal of my interactive installation "proxemics" is the close observation of the fascinating ferro fluid ([www.supermagnete.es/eng/M-FER-10](http://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](http://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](http://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](http://www.supermagnete.es/eng/S-25-05-N))

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