**Cảm biến siêu âm: hoạt động và ứng dụng**

(Cập nhật đến ngày 21/4/2023)

Cảm biến siêu âm là thiết bị cảm biến điện tử, được dùng để đo khoảng cách của một đối tượng mục tiêu bằng cách phát ra sóng siêu âm, sau đó âm thanh phản xạ được chuyển đổi thành tín hiệu điện. Tín hiệu sẽ được xử lý và thông báo ở đầu ra. Bộ phát của cảm biến có khả năng tạo ra âm thanh nhờ sử dụng tinh thể áp điện. Còn bộ thu có vai trò tiếp nhận âm thanh đến và đi từ các vị trí.

Để hiểu rõ hơn Cục Thông tin KH&CN quốc gia xin giới thiệu một số bài nghiên cứu đã được xuất bản chính thức và các bài viết được chấp nhận đăng trên những cơ sở dữ liệu học thuật chính thống.



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