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Project
Client
Time Period

Low Cost Anemometer measuring device
Airflow Instruments (now owned by TSI Inc.)
2004-2005



Introduction

The LCA301 is a hand held digital Rotating Vane Anemometer used for air velocity and volumetric flow measurements, for heating and ventilation installations.

Features

Simple menu and data access system;
Rotating head, for measuring airflow towards or away from the user whilst still able to view the display;
Minimally disruptive aerodynamic form.

The Brief

Design a compact, easy to use and solidly built digital rotating vane anemometer to replace three existing products in the range.

Processes

Ergonomics / usage studies
Component layout / weight distribution
Product styling
Interface design
Mechanisms design
Proof of concept prototyping
Part and assembly design and engineering
Pre-production prototyping