

HOT WIRE FLOW METER (SINGLE SENSOR)

RW 131

Description:

Hotwire has a simple functional principle and can operate without any moving parts. An electrically-heated wire is placed in the intake pipe after the air filter, transverse to the flow direction. A temperature sensor is installed upstream of the hot wire. The hot wire is then heated to a temperature higher than the air temperature determined by the temperature sensor. As the hot wire is cooled by the incoming air, the heating current must be increased to maintain a constant temperature. In this method, the heating current represents a direct measurement for the incoming air mass, independent of the air density.

Specifications:

- Hot wire
- DAQ card
- Specified software for data analyzing
- Equipped with calibrating devices
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Obtaining wind velocity
2. Obtaining air temperature

Required For Operation:

- 220 v Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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