Data sheet for calculating air volume or velocity.

(Please inform us data sheet ① or ② for calculating air volume or velocity. Base on data sheet, we issue you specification of air volume or velocity scale.)

To make out the specification based on gas condition (temp, humidity, static pressure, density), size of the duct and medium flow rate. →①

To make out the scale specification based on the relationship between air volume (or velocity) and dynamic pressure.(If the detector is a orifice and so on.) →②

For calculating air volume or velocity ①

Gas to be measured data

Working regular air volume (velocity) value

Max. air volume (velocity) value

Gas temperature ℃

Gas humidity % RH

Static pressure at the point to be measured Pa

Gas density kg/m³

＊ Air density is 1,200 kg/m³ at normal state.

Please fill in the value of the point to be measured to installing the pressure detector.

Duct size I.D. ( ) mm or square duct ( ) mm ×( ) mm

In case of mixed gas, please specify the density of mixed gas.

Used pressure detector

☐ Total static pressure tube (Pitot tube)

☐ Total pressure tube + Static puressure tube

☐ Multi-pitot tube (corrected air volume coefficient)

For calculating air volume or velocity ②

Using condition

When air volume (velocity) value is at dynamic pressure Pa

Max. air volume (velocity) is measured till ( )

◆If you order the air volume and velocity meter, please tell us the data for calculating air volume and velocity.

◆The max. value of air volume and velocity is rounding off to our printing scale.

◆The max. pressure value correspond to the max. value of air volume (velocity) is written in scale plate.