

# Mass flow measurement

## Required process information

(PicoFlow, SolidFlow 2.0, MaxxFlo HTC, DensFlow, SpeedFlow, SlideControl)



With the following information you can help us finding the best solution for your process.

Company \_\_\_\_\_

Contact \_\_\_\_\_

Date: \_\_\_\_\_

Project \_\_\_\_\_

### Application requirements

Nominal flow rate	kg/h
Flow rate (min ... max)	kg/h
Desired accuracy	+/- %
Pressure inside the pipe (min ... max)	bar
How is the material conveyed (1)	pneumatic      free-fall      chute
How is the material conveyed (2)	continuous discontinuous (e.g. batch) → length:
Air flow rate for pneumatic conveying (min ... max)	m <sup>3</sup>
Ambient temperature (min ... max)	°C
Ex-hazardous area (ATEX)	no      yes, ex-zone (int./ext.):
Can a reference measurement be taken for calibration purposes?	
Material velocity	m/s
Reason for measurement	

### Mounting position of the sensor

Type of conveying	horizontal      vertical      declining pipe
Type of pipe	round      angular
DN of pipe	mm
Pipe material	
Conveying device before the sensor	
Conveying device after the sensor	
Total available height to install the sensor	

### Characteristics of the material

Material type	
Will different materials be measured?	no      yes, up to      types
Bulk density (min ... max)	kg/m <sup>3</sup>
Grain size (min ... max)	mm
Residual moisture (min ... max)	min: %   max: %
Temperature of the material (min ... max)	°C
Is the material abrasive?	no      slightly      highly
Does the material cake?	no      slightly      highly
Angle of repose (min ... max)	°C