

# Material flow monitoring

## Required process information

(FlowJam, ProGap, Nico)



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

Company

Contact

Date:

Project

### Application requirements

Material of pipe, duct or vessel	
Pipe/silo diameter	mm / m
Detection range	m
Type of conveying (1)	continuous discontinuous (e.g. batch) → length:
Type of conveying (2)	free-fall (height: mm)      pneumatic
Velocity if pneumatically conveyed	min: m/s   max: m/s
Pressure (min ... max)	min: bar   max: bar
Ambient temperature (min...max)	min: °C   max: °C
Ex-hazardous area (ATEX)	no      yes, ex-zone (inside/outside):
Reason for measurement	

### Sensor mounting position

Installation site	
Inlet section before the sensor	mm
How is the material conveyed before the sensor?	
How is the material conveyed after the sensor?	
Mounting location	horizontal      vertical      diagonal
Mounting option	Pipe socket: DN      Mounting bracket      None

### Characteristics of the material

Type of material	
Bulk density	kg/m <sup>3</sup>
Grain size	min: mm   max: mm
Residual moisture	min: %   max: %
Process temperature	min: °C   max: °C
Is the material abrasive?	no      slightly      highly
Does the material cake?	no      slightly      highly