

## Questionnaire for applications with flow meter MF3000

The following questions will help us to better understand your application.

Please fill out this sheet and send it back.

Note:  
 This questionnaire can be filled out directly on the pc and sent back to Semrad by email. Please type in the grey input fields.

- 1) What material is being measured?
- 2) Are material type and material consistence constant?  
 If not: Quantity of different products:
- 3) What is the grain/particle size of the medium (in mm)?
- 4) What is the temperature of medium?      Is the temperature of medium constant?      yes      no
- 5) What is the moisture content of the medium?      Is it still constant?      yes      no
- 6) Do we have to expect any abrasion by the material?      no abrasion      little      high
- 7) Do we have to expect sediments of material in the pipe?      no      little      high
- 8) What kind of conveying?  
     freefall  
     pneumatic (vacuum)  
     pneumatic (compressed air)
- 9) If pneumatic conveying:      Conveyed as:      Dilute phase      plug      dense phase  
     What is the pressure?  
     What is the expected speed („v“ in m/s)?
- 10) Is it a continuous conveying line?      yes      no  
     If not: How long does a batch take?
- 11) What is the nominal diameter of the tube?
- 12) What is the length of the tube?
- 13) What material is the pipe made of?      stainless steel      steel      other:
- 14) Is it possible to rotate the measuring section?      yes      no
- 15) What kind of process device is before the sensor?
- 16) What kind of process device is after the sensor?

- 17) What is the ambient temperature?
- 18) Is ambient temperature constant?    yes    no
- 19) What mass flow rate (mass/time e.g. kg/h) is reached/expected?
- 20) What is the required/expected level of accuracy?
- 21) Is Ex certification required?      Gas-EX (Zone 2)      Dust-EX (Zone 20)      no
- 22) For the calibration process: Is it possible to get reference vales?  
      No    Truck load    BigBag - filling    Scale    others:
- 23) What is the aim of measurement/what will be improved by measurement?

**Filled out by:**

Company:

Contact:

Phone:

E-Mail:

Fax:

Street:

Town:

**Please send the sheet back by fax, email or post to:**

**Semrad Pty Ltd**

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