



## Solids Flowmeter Questionnaire

### Customer information

Contact: \_\_\_\_\_ Prepared By: \_\_\_\_\_  
 Company: \_\_\_\_\_ Date: \_\_\_\_\_  
 Address: \_\_\_\_\_ Notes on the Application: \_\_\_\_\_  
 City: \_\_\_\_\_ Country: \_\_\_\_\_  
 State/Province: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_  
 Phone: ( ) \_\_\_\_\_ E-mail: \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

### Material Information

Material being measured: \_\_\_\_\_ Particle size: \_\_\_\_\_ mm/inch/mesh  
 Bulk density: \_\_\_\_\_ kg/m<sup>3</sup> or lb/ft<sup>3</sup> Moisture content: \_\_\_\_\_ %  
 Angle of repose: \_\_\_\_\_ degrees Is material aerated? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Material temperature: \_\_\_\_\_ °C/°F  
 Material properties:  Hygroscopic  Corrosive  Easily aerated  Abrasive  Other \_\_\_\_\_  
 Material flow characteristics:  Smooth  Sluggish  Sticky/Clumping  Other \_\_\_\_\_

### Application Information

(Supply sketch where possible showing pre-feed and out-feed device dimensions) Sketch attached

Feed rate: \_\_\_\_\_ maximum t/hr or kg/hr or lb/hr or LTPH or STPH  
 \_\_\_\_\_ normal t/hr or kg/hr or lb/hr or LTPH or STPH  
 \_\_\_\_\_ minimum t/hr or kg/hr or lb/hr or LTPH or STPH  
 Accuracy required: +/- \_\_\_\_\_ %  
 Quantity required: \_\_\_\_\_  
 Pre-feed type:  Rotary valve  Belt  Screw  Vibratory pan  Aerated gravity conveyor  Bucket elevator  Other (specify) \_\_\_\_\_  
 Flow rate:  Constant  Variable  Pulsing Flowmeter will discharge into: \_\_\_\_\_  
 Headroom available: \_\_\_\_\_ ft/m Temperature at flowmeter: \_\_\_\_\_ Max. \_\_\_\_\_ Min. °C/°F  
 Sensing plate subjected to air flow:  None  Some Material test can be performed:  Yes  No  
 Estimated distance from pre-feed discharge to flowmeter: \_\_\_\_\_ mm/inch  
 Electrical classification in flowmeter environment: \_\_\_\_\_

### Integrator Requirements

(indicate all that apply)

Power available: \_\_\_\_\_

<b>Inputs required:</b>	<b>Outputs required:</b>	<b>Communications:</b>
<input type="checkbox"/> 4 ... 20 mA (specify) _____	<input type="checkbox"/> 4 ... 20 mA	<input type="checkbox"/> DeviceNet <input type="checkbox"/> EtherNet/IP
<input type="checkbox"/> PID	<input type="checkbox"/> PID	<input type="checkbox"/> PROFIBUS DP <input type="checkbox"/> Modbus TCP/IP
<input type="checkbox"/> LVDT	<input type="checkbox"/> Remote totalizer	<input type="checkbox"/> RS 232/RS 485 Modbus <input type="checkbox"/> ProfiNet
<input type="checkbox"/> Load Cells (#): _____	<input type="checkbox"/> Relays (#): _____	<input type="checkbox"/> SIMATIC

### Products suggested:

Preferred Construction (flowguide and sensing plate enclosure):  Painted mild steel  304 SS  316 SS  Other (specify) \_\_\_\_\_