



## 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) \_\_\_\_\_