

Solids Flowmeter Application 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/m³ or lb/ft³ **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: _____

Inputs required:

4 ... 20 mA (specify) _____
 PID
 LVDT
 Load Cells (#): _____

Outputs required:

4 ... 20 mA
 PID
 Remote totalizer
 Relays (#): _____

Communications:

DeviceNet EtherNet/IP
 PROFIBUS DP Modbus TCP/IP
 RS 232/RS 485 Modbus ProfiNet
 SIMATIC

Products suggested: _____

Preferred Construction

(flowguide and sensing plate enclosure):

Painted mild steel 304 SS 316 SS Other (specify) _____