

Mode of operation (continued)

SIEMENS

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: + / - _____ %

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 / inches

Electrical classification in flowmeter environment: _____

Integrator Requirements

(indicate all that apply)

Power available: _____

Inputs required:

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

Outputs required:

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

Communications:

☐ AB Remote I/O
☐ DeviceNet
☐ PROFIBUS DP
☐ RS-232/RS-485 Modbus

Products suggested:

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