SIEMENS

Lesman
A KELE COMPANY

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/m^3 or lb/ft^3 **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) _____