



Application Tech Sheet

Lime Slurry

Industry: Industrial, Municipal, Environmental, Chemical, Cement, Asphalt, Food, Glass
Sugar refining, Septage processing, Glass manufacturing, Road surfacing

Application: PH Adjustment, Odor Control, Additive
Suspended solids, Abrasiveness, Agitation

Critical Factors: Reliability, Low Maintenance

Most plants do not have enough staff to monitor manually so the unit must be reliable once it is configured. These plants are usually run with as few people as possible so maintenance is always an issue. The unit is mounted outdoors and is exposed to the elements; therefore, it must have a weathertight housing to handle extreme temperature and weather changes.

What to watch for:

- Suspended solids, Abrasiveness, Aggitation

Installation: The unit can be installed using the pre-existing mounting.

Use SOR®:

Advantages

- Little or no maintenance
- 100-meter remote mounting available
- Ease of installation and set-up
- Non-contact instrument

Benefits

- High performance from a low-cost package
- High reliability

Key Questions:

1. Where is the possible location of unit in relation to fill stream?
2. What distance/amount of remote cable is needed?
3. Are there any internal structures in the tanks?



Ultrasonic Paradigms:

Ultrasonic transmitters will fail from condensation forming on the sensor face and maintenance is too costly. *echOsonix disproves by providing a high-power pulse that is not phased by condensation and is affordably priced.*

Other Technology Options:

- Pressure switch, Ultrasonic transmitter, Microwave – demand a high-cost, regular maintenance
- Capacitance/RF – stress on RF probe will cause damage and unit failure

Similar Applications:

- Any liquid level or bulk solids applications