

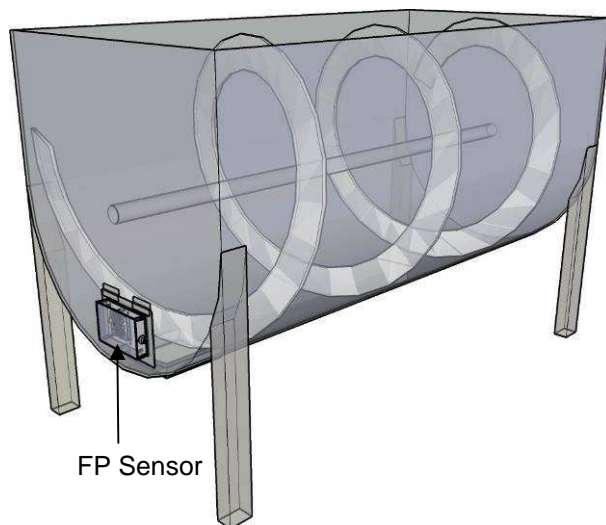


FP Series Particulate Moisture Sensor

Reg. U.S. Pat. Off. No. 6,249,130 B1

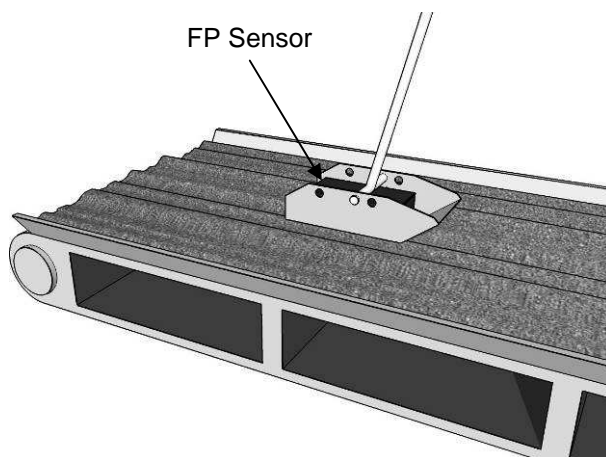
Examples of Successful Installations

- ◆ **Flush Mounted in a Mixer**



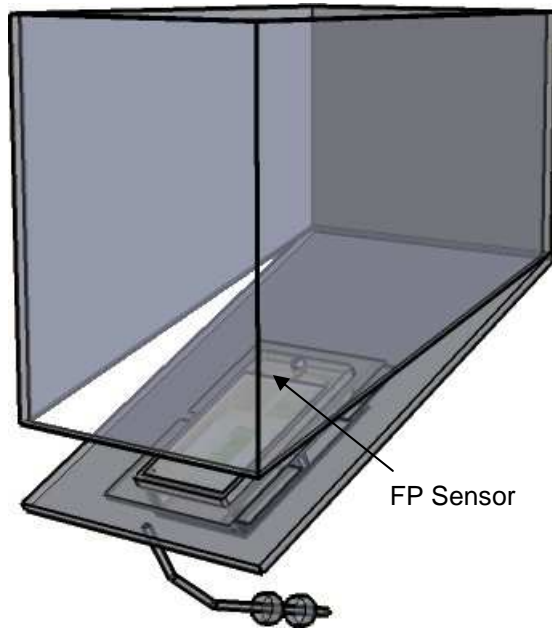
The FP Sensor provides accurate, on-line, real-time ingredient moisture sensing as mixing occurs.

- ◆ **"Sled" Mounted on a Non-metallic Conveyor Belt**



The FP Sensor rides on top of the conveyed particulate material, providing a consistent, reproducible contact. The particulate material must have a minimum depth of four inches, a fairly consistent size distribution and a maximum size not exceeding that of a kernel of corn.

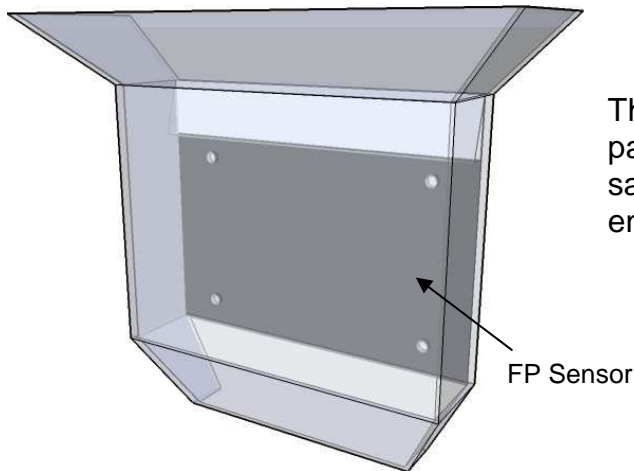
◆ "Trap Door" Mounted



A sensor mounting box with a "trap door" bottom concentrates particulate materials such as flours and meals, maintains a consistent particulate contact and four inch depth at the sensor surface without seriously impeding its flow. This sensor mounting may be employed in a:

- A. dryer discharge to a conveyor
- B. transition between conveyors
- C. conveyor discharge into a bin

◆ Chute Mounted with Defined Area Flow Restrictor (DAFR) Adapter



The DAFR concentrates the flowing particulate, producing a consistent sample density and dielectric field environment at the sensor face.