Precision Microwave Detector
PMD 2450

Online-Measurement

accuracy up to 0,1 %

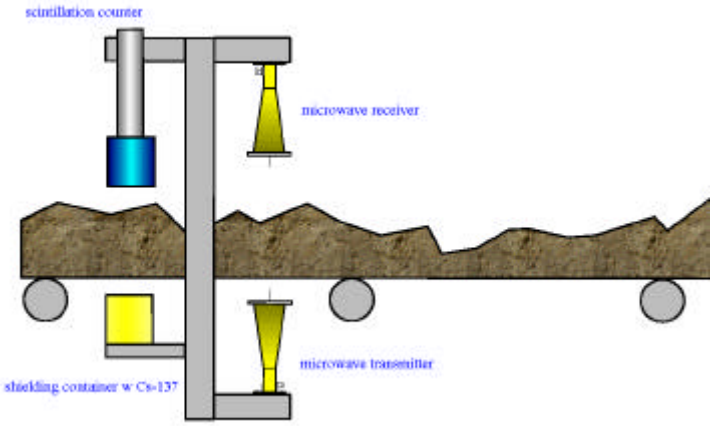
Advantages:

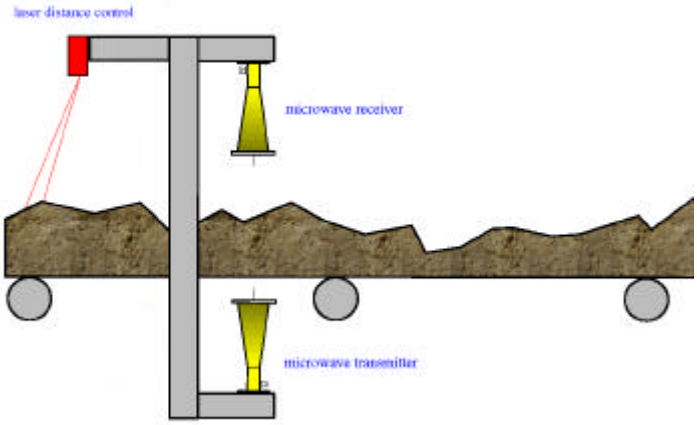
- moisture content of solids, powder and bulk materials
- direct at the existing conveyors, as belts, chutes or pipes, without additional mechanical sampling systems
- density of aqueous solutions
- consistency of pulp
- residual carbon in flyash

Area Weight Compensation

Installed at a belt, the PMD 2450 must be combined with a sensor which gives a reading of the layer on the belt.

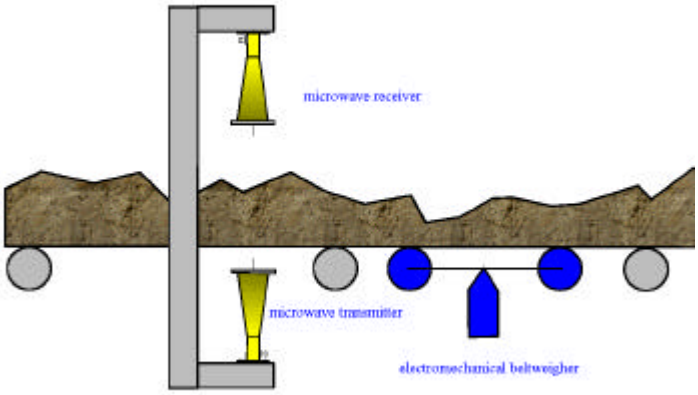
Nuclear compensation with a radiometric transmission measurement of layer thickness and bulk density.





A ultrasonic or laser distance sensor measures the layer thickness. The bulk density is assumed to be constant.

With a belt-scale the influence of bulk density and layer thickness can be compensated, if the profile of the material on the belt is constant.



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