

Pug

Moisture measurement & control

Having the correct moisture levels in pug has become a critical component during production. Being such a porous material, pug can easily become either too wet or dry wasting brick manufacturers time and money. With the help of industry partners and 30 years of knowledge, MoistTech has developed the *IR 3000* Moisture Sensor which is ideally suited to measure the moisture levels in the pug production process while improving manufactures product quality and lowering their energy costs.



Installation....

By installing the sensor in the processing area, a manufacturer can continuously monitor the process and can control the moisture content either manually or automatically. To accurately measure the moisture levels, the sensor should be installed over the conveyor transporting the pug. The sensor should be mounted several inches above the belt, screw conveyor or any area where the material can be viewed. In the installations of spray or fluid bed dryer's, optical windows or sampling systems can be provided.

Environment....

Dust from the product is not normally a problem however in extreme dusty environments we recommend the installation of an air purge system to prevent the accumulation of material on the sensor's window.

Benefits....

- improved product quality
- lower energy costs
- reduced start-up times
- less waste
- 100% product inspection
- less downtime

MoistTech is very experienced with the requirements in the production of pug. Our sensor calibrations, measurement wavelengths, algorithms and sensor optical requirements are pre-set at the factory. Typical accuracy is about $\pm 0.1\%$ moisture. Typical analog range is 0-10% moisture and up to as much as 40%, subject to application. The outputs can be adjusted to optimize PLC or recording requirements. For addition information or to discuss your application, please contact our headquarters.

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