

Load Saving Alerting Moisture Meter



for the Concrete Industry

The Moisture Alert continuously monitors sand and coarse aggregate moisture during batching and alerts the batch operator of any change in moisture content beyond selected limits.

By probing the material as it flows into the weigh batcher, the Moisture Alert continuously monitors the moisture of the material for each specific batch and not the moisture of the material resting on the side of the overhead bin. Also, by probing while material is being weighed, the Moisture Alert can be used to monitor many aggregates sequentially.

The Moisture Alert is designed to alert the batch operator audibly and visually if the moisture of the material being batched is outside his selected limits.

Moisture change surprises are eliminated and worries are forgotten with the Moisture Alert on the job.



Concrete
Controls
Corporation

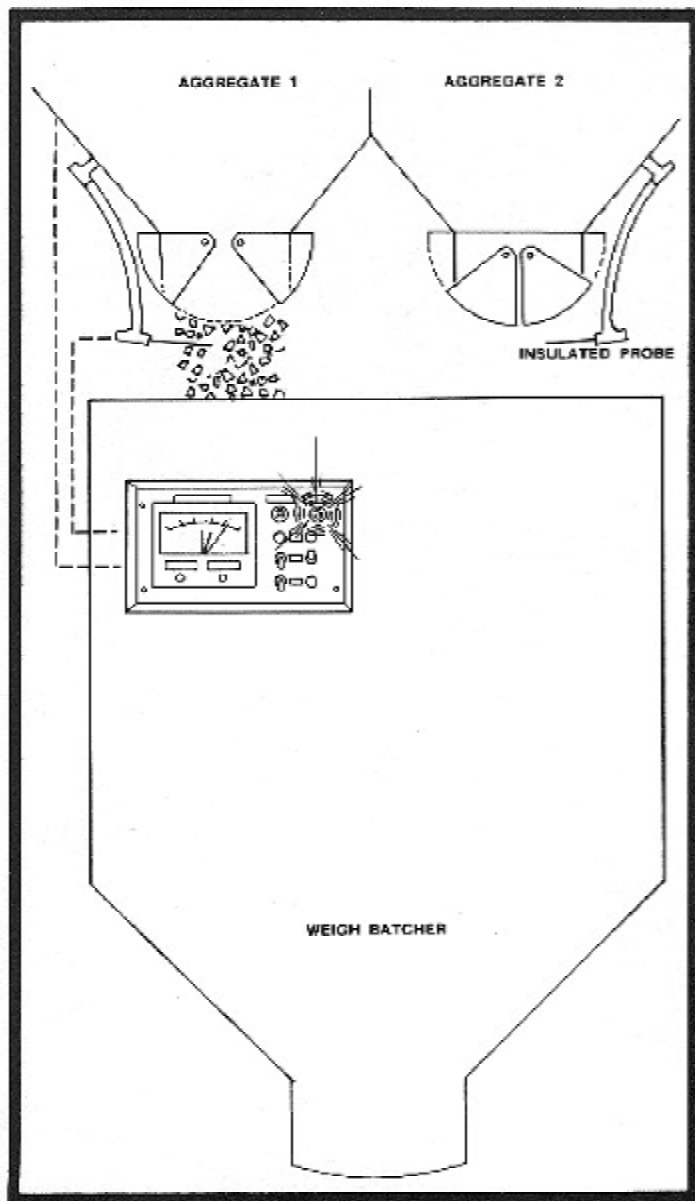
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The Moisture Alert

How It Works: During batching, a small DC voltage is applied to the stainless steel probe which is located just below the overhead bin gate. If the material being batched contains moisture, the voltage on the probe will be conducted to a ground. This ground is usually the overhead bin. The amount of current flow is proportional to the moisture content.

The Moisture Alert incorporates a sensitive, solid state amplified D.C. Micro Ammeter with dual solid state set points. This meter not only indicates the moisture being batched, but allows for audible and visual alarm if the moisture content of the material being batched goes beyond the batch operators selected limits. Two set points can alert for two materials, high or low, or one material with a high and low limit.

To use the Moisture Alert, the batch operator notices the moisture during batching and determines at what moisture level he wants to be notified. He then sets the set point and proceeds to batch. Should the moisture reach that limit, a distinctive audible alarm will sound. The batch operator would then adjust his proportions or moisture compensator and then reset the moisture alert set points to a new alert level.

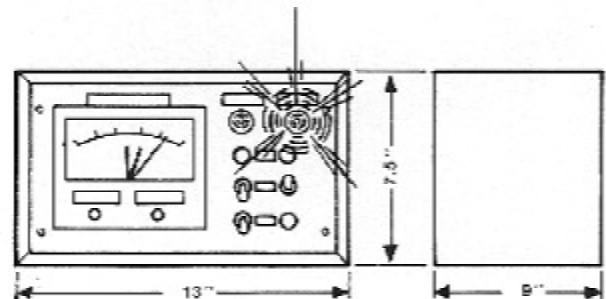


Specifications:

- * 4 1/2 inch Solid State double set point meter
- * .2% indicator accuracy
- * set points adjustable over full scale
- * 120 VAC 50/60 Hz 10 watt power required
- * Alarm output: high- 4500 Hz pulse adjustable volume
- low- 2900 Hz pulse adjustable volume

Features:

- * Continuous moisture indication as the aggregate enters the weigh batcher
- * Measures moisture of the material batched, not what stays in the overhead bin
- * Long life stainless steel probes which swing out of way of chunks
- * Silent operation selectable
- * Alarm volume control
- * Two aggregate callibration controls
- * Alerts batch personnel to moisture changes
- * Small or Large moisture tolerance settings as needed
- * Two high alerts, two low alerts, or one of each is available
- * Eliminates or reduces problems caused by temperature, gradation and compaction.



How Moisture Alert Follows Your Variable Moisture Problem

