

INSTRUCTIONS FOR MINI-SLUMP METER



TO INSTALL:

Install the transducer in the mixer starter box, or if space is restricted, in a separate enclosure. The purpose of the transducer is to reduce the high amperage mixer current to a one milliamp DC signal. This power reduction allows the installer to run the cable supplied from the transducer to the control instrument without using conduit. The wiring for the transducer is complex and the diagram must be followed exactly.

(see transducer for wiring diagram)

When wiring the current transformer, be sure that the marked or X1 side of the transformer is towards the source.

Connect one end of the supplied two wire cable to the transducer, the red wire to terminal #15 and the other wire to terminal #16. At the METER unit connect the red wire to the positive (+) terminal and the other wire to the negative (-) terminal.

TO CALIBRATE:

With power switch ON , Batch and mix normally while noticing the indicator hand. To be most effective and assure the best possible slump change sensitivity, the indicator hand should be at 100 when dry material is batched into the mixer. On the next batch be ready with a screwdriver to turn the calibration adjustment on the back of the control unit during the initial charging of the mixer. If this calibration adjustment does not cause the indicator to achieve full scale, loops can be added to the current transformer, to further increase the meter reading. Care must be taken when adding loops to insure the first passage through the current transformer is as previously stated, with the X1 side towards the source. Any additional loops must then also enter the current transformer by the X1 side.

The batch operator should now observe the action of the meter. Manual addition of water will show what effect the additional water has on the indicator hand. After a few loads, the operator will know what the indicator hand should read for the required slump and load size.