

# Application Summary

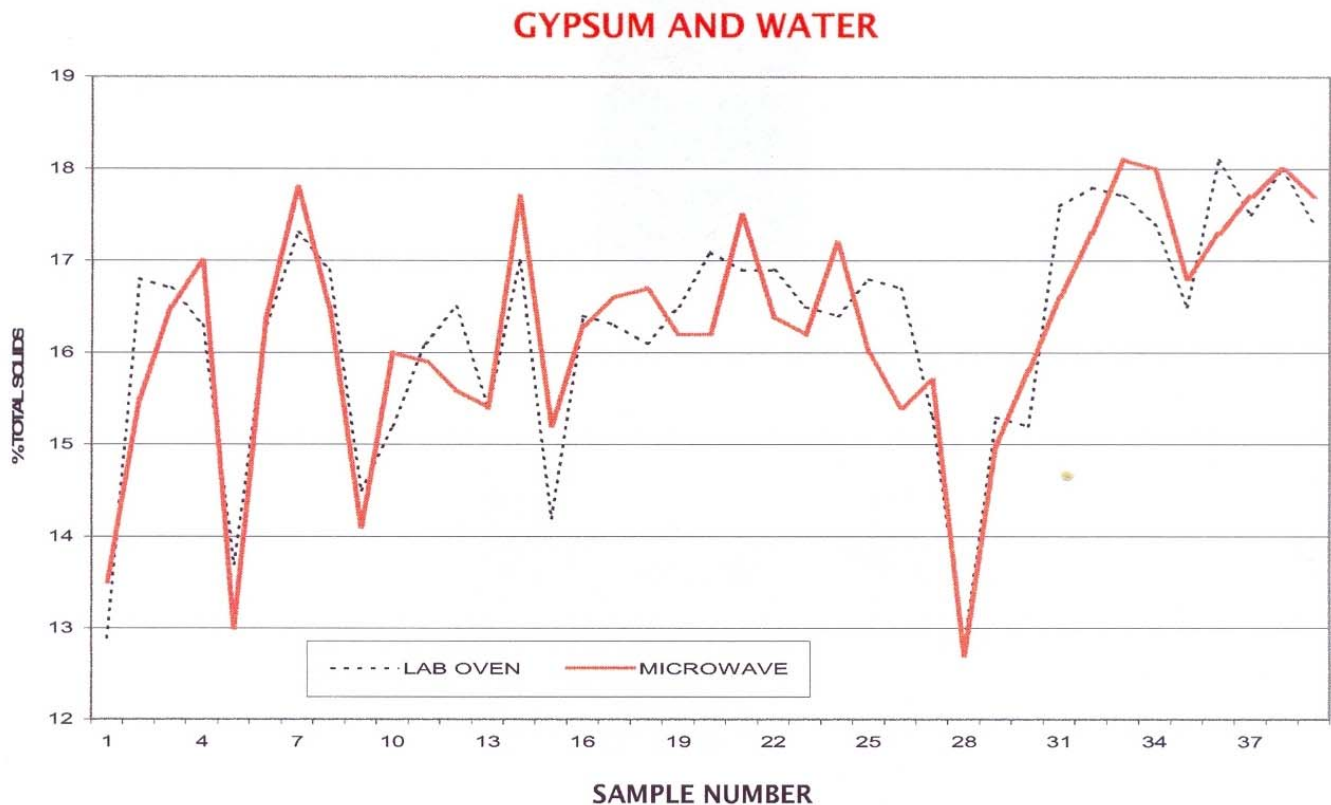
## TECO HK Series Microwave Consistency Transmitter

### Measurement of Percent Total Solids of Gypsum in Water

The TECO HK-1 Series Microwave consistency transmitter was installed on an 8 inch horizontal pipe. For easy installation, the insertion sensors were installed directly on the pipe using threaded half couplings. An RTD was also installed for temperature compensation.

Process samples were collected over a one month period. Each sample was submitted for lab analysis, and, at the same time, readings of the process by the TECO HK Series microwave unit were recorded. Lab samples were evaluated by drying, and percent total solids compared to the readings recorded from the TECO HK Series microwave unit.

As is seen in the graph below, there is a high degree of correlation between the lab values for % Total Solids and the readings of the TECO HK Series microwave unit.



Thompson Equipment Company  
125 Industrial Avenue  
New Orleans, LA 70121

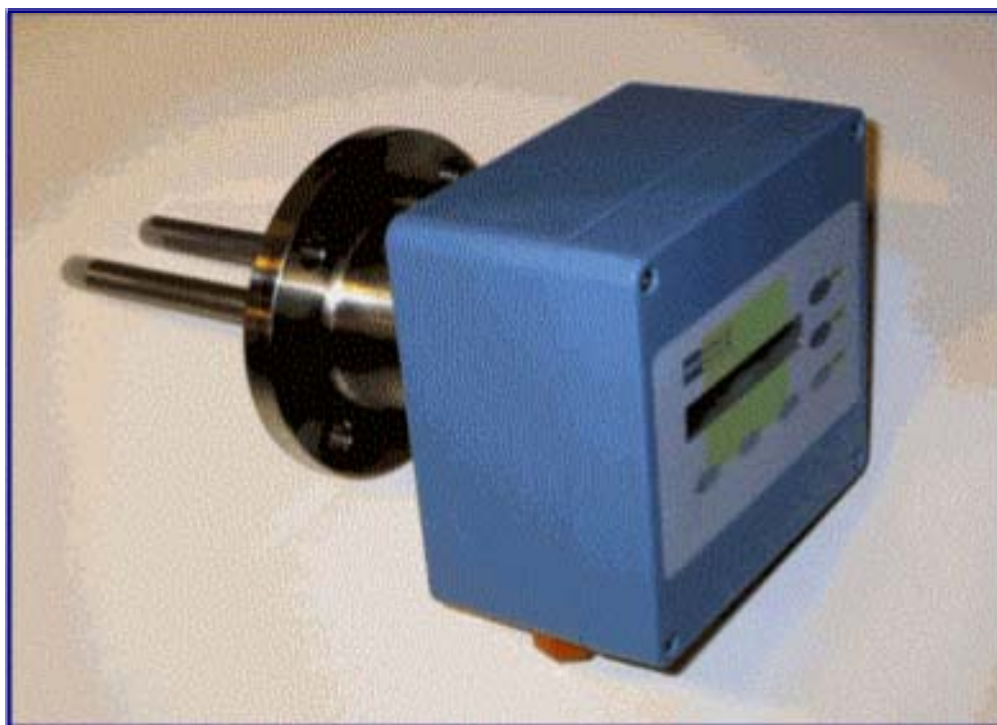
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24 Hour Technical Support

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## TECO HK Series Microwave Consistency Transmitters



TECO HK-1C Compact Unit



TECO HK-1M Modular Unit

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