

# TECO HK Series Microwave Transmitter

## Industries and Applications Quick Sheet

### Fundamental Application Measure the amount of process material transported in water

#### Industries

Pulp & Paper  
Construction Materials  
Food  
Mining  
Waste Water

#### Applications

Consistency  
Fiber and Water  
Starch and Water  
Latex and Water  
% Total Solids and Water  
Sand and Water  
Limestone and Water  
Kaolin And Water  
Gypsum (Natural & Synthetic) and Water  
Moisture  
BRIX

#### Installations

Pipes  
Vessels  
Belts

The low cost TECO HK Microwave Transmitter utilizes the principal of component dielectrics to accurately measure the amount of water in a process. The unit can be configured to accommodate almost any installation requirement and needs only a single laboratory point to calibrate. Process measurements can be transmitted digitally or via one of two internal 4-20 analog outputs.

For highest accuracy results:

- ? The process should predominately consist of one component and water. Additional process components will increase the variation between the TECO HK instrument measurement and the laboratory results.
- ? Install in vertical pipes where possible.

Thompson Equipment Company  
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New Orleans, LA 70121

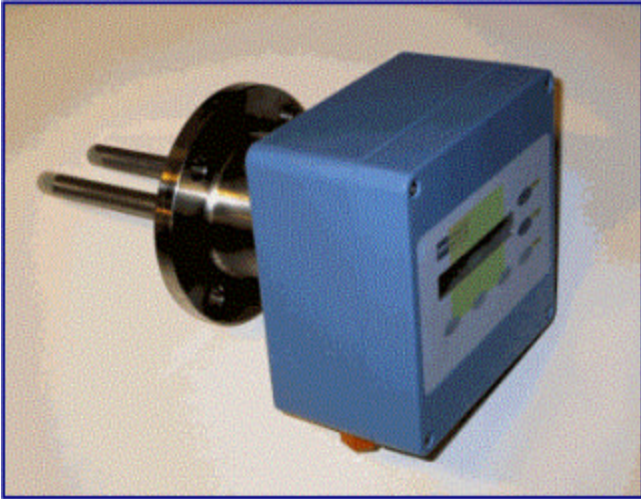
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24 Hour Technical Support

call: TECO Customer Service 800-526-8997 or [support@teco-inc.com](mailto:support@teco-inc.com)

## TECO HK Series Microwave Transmitters



TECO HK-1C Compact Unit



TECO HK-1M Modular Unit

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### Product Specifications

Display:	2x24 character LCD, LED Backlit; dialog with pushbuttons and alphanumeric display
Power:	15/230V, 47-65Hz, 50VA consumption
Housing:	IP65, NEMA 4 (Aluminum)
Weight:	11 pounds
Dimensions:	9"x7.9"x4.3"
Analog Outputs:	two 0/4-20ma active, isolated outputs. 500 ohm max resistance
Analog Input:	One 0/4-20ma non-isolated input, 125 Ohm max load.
Communications:	Two Com ports, RS232, Optionally RS485.
Relay:	One 250VAC, 30VDC, 1A contact
Microwave:	ISM band, 2.45 Ghz, 1mW, 0dBm
Sensitivity:	-80dBm, 1nW
Operating Temp:	-20° to 85° C
Sensor Operating Temp:	-30° to 170°C (Optionally 250°C)
Storage Temp:	-30° to 95° C
CE Mark	
Noise Immunity:	IEC 801 part 1 -5
Radiation:	EN55011 Teil B
Instrument Safety:	IEC 1010-1

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