

A COMPACT MICROWAVE INSTRUMENT SYSTEM AT A VERY COMPETITIVE PRICE

NO MOVING PARTS TO MAINTAIN

ADVANCED PLUG AND PLAY

EXTREMELY VERSATILE
(MODULAR OR SINGLE PIECE CONSTRUCTION)

SAFE FOR WORKERS

EASY TO CALIBRATE

SAFE FOR ENVIRONMENT



**HK-2 MODULAR UNIT
KAOLIN CERAMIC PASTE EXTRUDER**

INDUSTRIES

SUGAR REFINING
(° BRIX)

FOOD MANUFACTURING
(% TOTAL SOLIDS)

INDUSTRIAL PRODUCTION
(% CONCENTRATION)

ALL INDUSTRIES
(%H₂O)

APPLICATIONS (CONTACTING)

VACUUM CRYSTALLIZATION PANS
EVAPORATORS
PIPES – (DIAMETERS - 1.25" min; no maximum)

DRY MILK SOLIDS, COFFEE SOLIDS,
STARCH AND WATER, FLOUR AND WATER,

CALCIUM CARBONATE AND WATER
GYPSUM AND WATER
PULP STOCK CONSISTENCY
FABRIC SOFTENERS, LIQUID DETERGENTS,
SURFACTANTS IN WATER,
KAOLIN (CERAMIC) SLURRY

APPLICATIONS (NON-CONTACTING)

COAL
KERNALS OF CORN
BRAN OR CORN FLAKES

FOR MORE INFORMATION PLEASE CONTACT:

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HK-1 MODULAR MICROWAVE INSTRUMENT SYSTEM (VESSEL)

This HK-1 System has been designed to measure the %Concentration or %Total Solids of a Slurry or Solution in a Vessel. This unit has extra inputs for difficult or complex applications.

Any vessel with a water based mixture, such as Beer Mash and Water, is a good candidate for this microwave technique. Insertion Sensors and a 2-1/2" ANSI mounting flange is standard. Different size flanges available.



HK-2 COMPACT MICROWAVE INSTRUMENT SYSTEM

The HK-2 Compact System has been designed for installations which can be accomplished with a single piece unit. This system measures temperature, but does not accept any other inputs.

The primary installation for this system is on a Vacuum Cooking Vessel in the Sugar Refining Industry. Single piece unit comes mounted on a 2-1/2" ANSI flange only.



HK-1/2IL MICROWAVE INSERTION SYSTEM FOR PIPELINES

The HK-1/2 Systems have been designed to measure the %Concentration or %Total Solids in a pipeline. The pipes can be as small as 1-1/4 inch and have no maximum size.

This system will work with almost any product that is a water based mixture. Pipes 1.25" to 2.5" use a spool piece. Pipes above 2.5" are directly mounted to the pipe.



HK-3 TABLE TOP MICROWAVE INSTRUMENT SYSTEM

The HK-3 Table Top System has been designed to measure a sample which has been collected from a pipeline or vessel and put in a cup. This system is capable of giving an answer in 30 seconds at an accuracy of +/- 0.2%. It will work in a lab or on the plant floor.

MOUNTING: This system has a very small footprint.

HK-2MBELT MODULAR MICROWAVE INSTRUMENT SYSTEM (NON-CONTACTING)

The HK-2MBELT System has been designed to measure the %H₂O of Bulk Materials on a belt or in a chute. The measurement is performed with Non-Contacting Microwave Antennae which are mounted on opposite sides of the material in question. Typical Applications include: MOISTURE IN COAL, MOISTURE IN CORN KERNELS, MOISTURE IN FLAKES, ETC.

Mounting: A separate frame or set of mounting brackets are required for installation. The type and size will be determined by an engineering analysis of the measurement in question.