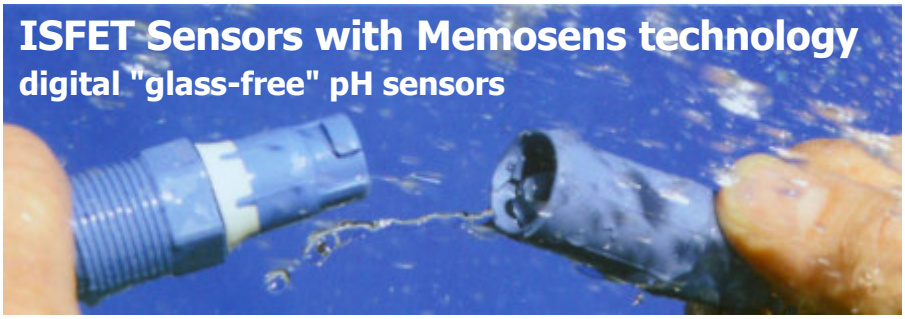
E+H pH Measurement



Endress+Hauser have opened a new era in pH measurement for the food and beverage industries with the "glass-free" ISFET Memosens digital pH electrode.

ISFET Sensors have a hygienic design with FDA-listed materials and 3-A certificate.

They are suitable for SIP applications and, in combination with retractable assemblies, CIP applications.

Special ISFET Sensor Features

- Unbreakable and glass-free
- Upside-down installation possible
- Low acid and alkaline error
- Calibration data including isothermic intersection point

Memosens technology

It is now possible to pre-calibrate pH sensors in the laboratory and have them ready for installation when required.

Memosens Sensors can be changed in a matter of seconds and stored calibration data (in the sensor) is automatically transferred to the transmitter and used to calculate the current pH value.

A key feature of Memosens is the non-contact inductive electrical connection between electrode and cable that elimates measurement errors caused by contamination and moisture in traditional systems.

The bayonet coupling and inductive connection system means that replacing a sensor in wet conditions is no longer an issue.

Liquiline M CM 42 Transmitter with stainless steel housing

ISFET pH sensors with Memosens technology

Transmitter - Liquiline M

Liquiline M CM42 is a modular two-wire Transmitter designed for operation with all types of pH sensors (glass, ISFET, digital sensors) and conductivity sensors.

Key features:

- large high-contrast display & alarm LED
- robust, stainless steel or corrosion-resistant plastic housing with membrane keypad
- user-guided commissioning, graphic display and plain text guidance
- with Memosens technology, a calibration in the plant is not required
- predictive maintenance system detects when a sensor has to be cleaned, calibrated or replaced
- display of sensor data includes: commission date, hours of operation, time at high temperature, times at high and low pH, calibration history
- FOUNDATION FIELDBUS, PROFIBUS and HART fieldbus protocols

More information on pH?
Circle Enquiry No: 1006
Contact: Mark Armstrong

EMC ModWeigh Instruments

An essential component of any weighing system is a reliable and economic weight processor.

EMC design and manufacture a versatile range of Weighing Indicators and Processors that are recognised internationally for their quality and ease of operation.

The Digital **ModWeigh** Series provide a new benchmark standard for weighing processors and includes models for Belt Weigher, Weigh Feeder and Weight Change (loss-in-weight) applications, as well as a range of Loadcell Transmitters.

In addition, the EMC **2000** Series features 5 standard models including Indicators, Processors and Batch Weighers that fulfil many weighing applications.

NZ made EMC ModWeigh Series of Digital Weighing Transmitters, Processors and Operator Displays

More information?
Circle Enquiry No: 1007
Contact: John Ball

- Digital - no pots or dip switches
- Push-button calibration
- Low drift, high accuracy - typical accuracy better than 0.01%
- Removable data storage
- 0/4-20mA analogue outputs
- Modbus communications
- Variety of mounting options including DIN Rail and IP66/67 enclosure
- Excitation supply: up to 10 loadcells
- 64 x 128 pixel graphics Operator Display with easy to use menu selection
- One Display can be used to calibrate several ModWeigh Instruments
- 24Vdc power supply
- Designed and manufactured in new Zealand by EMC - full local support and backup is always available