



PRODUCTS



MJK has 30 years of experience as a manufacturer and supplier of measuring and control equipment for water and wastewater plants. Our network of MJK sales channels serve 40+ countries worldwide.

MJK – YOUR PARTNER FOR WATER PROCESSING INSTRUMENTATION



LEVEL MEASUREMENT



Expert™ Level transmitter

MJK offers dozens of models of submersible level transmitters for open tanks, wells, basins and reservoirs. Each has its own application-specific design and easily handles rough environments, heavily polluted water and aggressive liquids. Selected models are UL and Atex approved for use in explosive environments. All MJK level transmitters deliver high accuracy, reliable repeatability, and long-term stability.



Level control and Float switch

MJK's On/Off level control and alarms, with float switches or electrodes, combine simplicity and durability.

Shuttle® ultrasonic level transmitter

The Shuttle® delivers an optimal ratio between features, user-friendliness, reliability, quality and price. The Shuttle is available with a range of sensors for ranges up to 25 m, for explosion hazard applications, and with enhanced chemical resistance.



PUMP CONTROLLERS



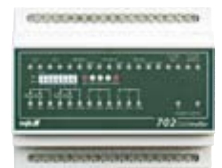
MJK pump controllers with ultrasonic or hydrostatic level transmitters provide reliable control and monitoring of liquid levels in tanks and wet wells. Our product range consists of:

Model 701 - is an alternating pump controller for 1 or 2 pumps level control or alarms.

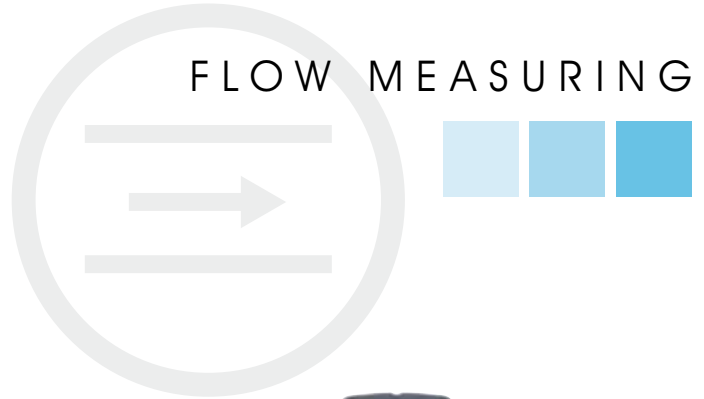
Model 702 - controls up to 4 pumps using an MJK Expert level transmitter for level input. Pump Controller 702 has two RS 485 ports for serial communication with a PC.

Model 704 - is the classical MJK pump controller for up to 4 pumps. 704's have advanced control functions such as standard and timed alternation, staggered staging of pump starts and stops, logging the number of starts, hours of operation, calculated pump flow, pump station flow, total volume output, and communication with SCADA systems.

Model 712 - is designed for small grinder pump stations, where the pumps are controlled by level electrodes and on-time. A GSM/GPRS modem can exchange data, when remote control and monitoring are required.



FLOW MEASURING



MagFlux®

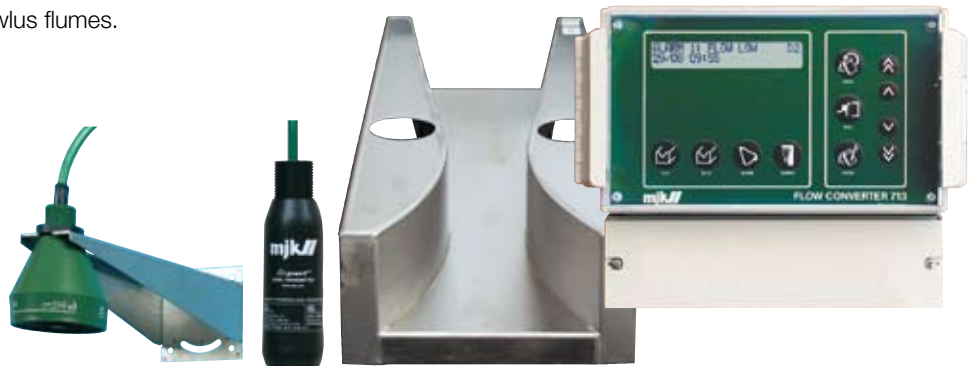
electromagnetic flowmeters measure flows of all conductive fluids such as industrial process water, drinking water, wastewater and sludge with exceptional accuracy. Advanced data logging, control functions, batch set-up and RS485 communications set a new standard for this product category.

713 open channel flow measurement

MJK's 713 open channel flow measurement systems are used extensively in sewage treatment works, in wastewater treatment plants, and in the industry for measurement and logging of flow through flumes or weirs.

Flumes

MJK supplies a complete range of Parshall, Venturi and Palmer-Bowlus flumes.





ANALYSIS



pHix® pH and redox transmitters

pHix® Compact is a pH and Redox transmitter designed for easy installation and maintenance with electrode, transmitter, and mounting in one unit, eliminating high impedance electrode connections and special hardware for mounting.

Oxix® DO transmitter

The Oxix® transmitter is a unique dissolved oxygen measurement, data logging and control system. Oxix® is ideal for the measurement of dissolved oxygen in process and wastewater. The sensor requires no calibration and has a 3 year warranty.

SuSix® turbidity and suspended solids transmitter

SuSix is used to measure, control and data log turbidity in water purification installations and suspended solids in wastewater treatment plants.



SCADA AND REMOTE PROCESS COMMUNICATION SYSTEMS



MJK is a leading supplier of hardware and software for remote control and monitoring of water and wastewater plants. MJK SCADA intuitively manages the requirements from very small systems up through very large systems with several hundred substations.



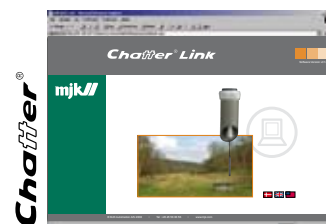
Connect®

Connect's modular control, interface and communication modules are the most flexible, customizable, powerful and economical solution for water treatment process control. Connect provides inputs and outputs for sensors, motors, VLD drives for pumps and blowers. Sophisticated yet simple to employ algorithms allow operators to reduce energy costs and consumption.



Chatter®

A battery-operated transmitter for data logged water levels for drinking water, wastewater, groundwater at large construction sites, and levels in rivers and canals, etc. The Chatter® is a multi-channel datalogger and transmits data via GSM/GPRS networks.



Modems

MJK has an intensive range of modems for PSTN, GSM, GPRS and Power lines. The modems are either transparent or transmit the data via a PLC protocol to SCADA systems.





780 LIQUID SAMPLER

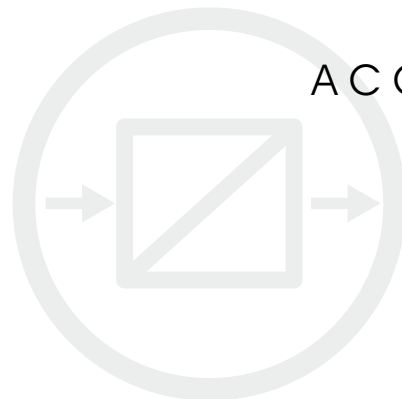


Sampler

The sampler automatically takes water samples from lakes, channels, wastewater plants and pump stations and uses a flexible control scheme. The unique design of MJK 780 gives years of operation with minimal maintenance and service.

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ACCESSORIES



Accessories Include:

- Digital indicators
- Isolation amplifiers
- Motor current transmitters
- Power supplies
- Surge and lightning protectors and
- Mounting brackets for transmitters and sensors



NETWORK



MagFlux®, SuSix®, Oxix® and Connect® can work in a network using a standard modbus RTU protocol.

They use a 2 wire connection and every unit can be operated from one or more display with full access to all units in the network. A single unit or an entire network can be connected to a PLC using the modbus communication.

MJK encourages you to contact one of our offices or partners to discuss your ideas and applications for using MJK equipment. There is always an expert ready to answer any question you may have.

MJK – Your Partner for Water Processing Instrumentation

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