



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 Automation

YOUR PARTNER FOR WATER PROCESSING INSTRUMENTATION

BROCHURE

US 1.00 PRODUCTS BROCHURE 1401

xylem
Let's Solve Water

Free Line
group

OFFICIAL DISTRIBUTOR CENTRAL ASIA

mjk
a xylem brand

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

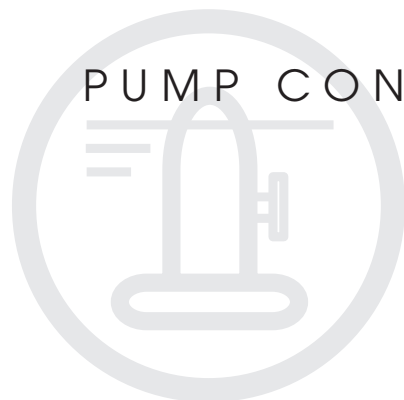

MJK's On/Off level control and alarms, with float switches or electrodes, combine simplicity and durability.

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

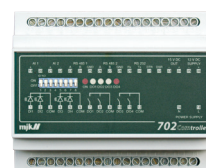
MJK pump controllers with ultrasonic or hydrostatic level transmitters provide reliable control and monitoring of liquid levels in tanks and wet wells. Our product range consists of:

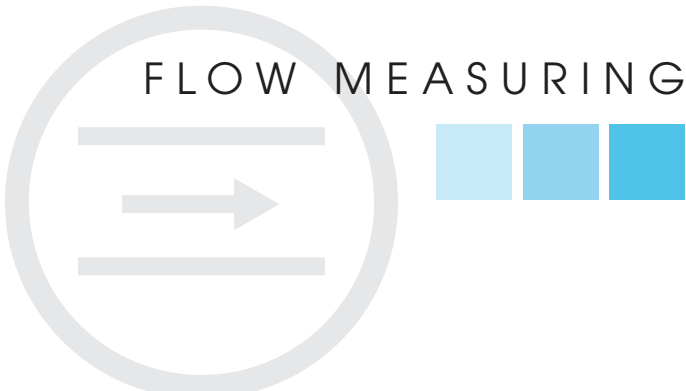
Model 701 - is an alternating pump controller for 1 or 2 pumps, level control or alarms.

Model 702 - 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 scaleable analog output for proportional control or data logging/recording.

Model 712 - is designed for small grinder pump stations, where the pumps are controlled by level electrodes or float switches, and on-time. Additional low power communication relays signal auto-dialers or modems for remote monitoring or control..





MagFlux® Electromagnetic Flowmeters

For flows of all conductive fluids such as industrial process water, drinking water, wastewater and sludge with exceptional accuracy even at low velocities. Advanced data logging, control functions, batch set-up RS485 communications and network readiness set a new standard for this product category.

Modbus
PROFI®
BUS

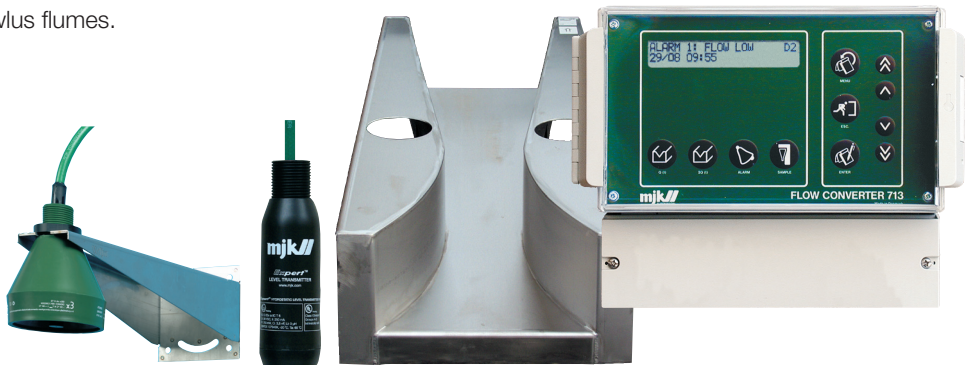


713 Open Channel Flow Meter

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 Transmitter

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 breakthrough in dissolved oxygen measurement, data logging and control for process and wastewater. The sensor requires no maintenance, rarely needs calibration and has a 3 year warranty. The electronics smartly process the sensor signal, datalog and graph it, and have relay outputs, analog outputs and RS485 networking communications.

SuSix® Turbidity and

Suspended Solids Transmitter

SuSix® is used to measure, control and datalog turbidity in water purification installations and suspended solids in wastewater treatment plants. It too delivers the same electronics features as the Oxix®.



SCADA AND REMOTE PROCESS COMMUNICATION SYSTEMS



Connect® and M μ Connect® are control and monitoring devices for pumping stations, small sewage treatment plants, raw water filtration systems, ground water boreholes, and booster stations for the water supply system.

Connect® and M μ Connect® have features for energy optimization of pump operation and functions for calculation, data logging and communication to SCADA systems.

Connect®

Designed for larger installations with many inputs and outputs, Connect® can be mounted directly on the wall and comes complete with display, etc.

M μ Connect®

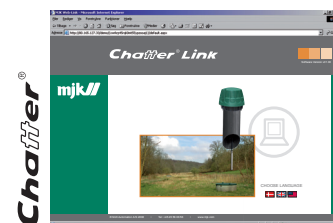
Being modular and built for DIN rail mounting, M μ Connect® also has built-in WiFi and is operated with a PC program Instrument Link or a smartphone.

Instrument Link

This PC program is for configuring Connect® and M μ Connect®. Instrument Link communicates via modem, USB or WiFi and displays operating data presented in a series of pre-defined process images.

Chatter®

It is a battery-powered monitoring device for measuring and recording level, flow, rainfall, overflow, etc. Chatter® has inputs, data logging and built-in GPRS / GSM modem to send measurements over the GPRS network to a SCADA system or to an SQL database. With the breakthrough technology performance, flexibility, and the very long battery life Chatter® surpasses other similar systems on the market.





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.

Accessories for All Instrumentation Include:

- Digital indicators
- Isolation amplifiers
- Motor current transmitters
- Power supplies
- Surge and lightning protectors and
- Mounting brackets for transmitters and sensors
- pH and ORP Calibration Buffers
- Portable Data Loggers
- Hazardous Area Isolators and Barriers

ACCESSORIES



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(s) with full access to all units in the network. A single unit or an entire network can be connected to a PLC using MODBUS® or Profibus 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

www.mjk.com

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