



MJK has 35 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

EN 1.00 PRODUCT BROCHURE 1401

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.



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.

**PROFI
BUS**
Modbus



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.



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 using hydrostatic level transmitters for 1 or 2 pumps, level control or alarms.

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.





RTU



Connect® and Mμ 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 Mμ 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.

Mμ Connect®

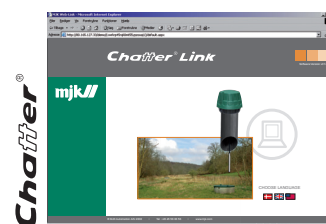
Being modular and built for DIN rail mounting, Mμ Connect® also has built-in WiFi and is operated with a PC program Instrument Link or a smartphone.

Connect Link

This PC program is for configuring Connect® and Mμ Connect®. Connect 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.





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.



PROFI
BUS

Modbus



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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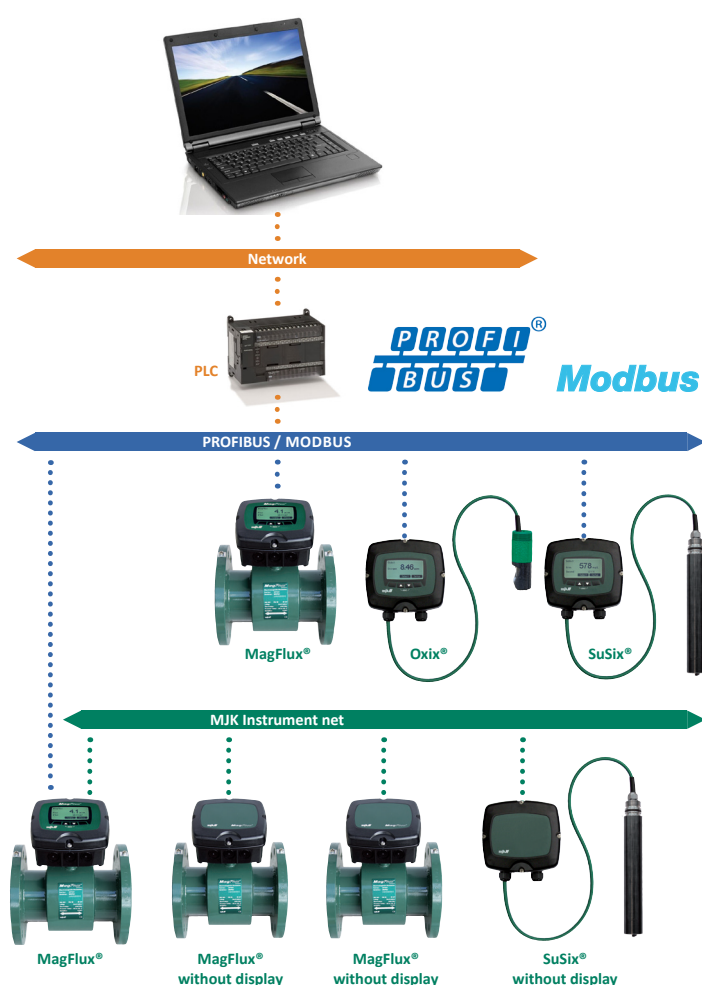
SIGNAL PROCESSING AND ACCESSORIES

Accessories Include:

- Digital indicators
- Isolation amplifiers
- Motor current transmitters
- Power supplies
- Surge and lightning protectors
- Differential Calculators
- mA-Bus Converters
- Communication modules
- Mounting brackets for transmitters and sensors



NETWORK



MagFlux®, SuSix®, Oxix® and Connect® can communicate with each other and share a display via a network connection. The display can be programmed to show the individual measurements from up to 4 instruments in the network or display all measurements at once. The display has a data logger with 160,000 log points is shared between the connected instruments and measurement values can be downloaded to a PC as a CSV file (Excel) via the display's USB port.

By mounting a communications module in the display, the measurements are transferred to a PLC or monitoring systems with Profibus or Modbus communications. With the built-in network, a Profibus or Modbus module handle transmitting signals for up to 4 meters.

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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