

JUMO AQUIS 500 Ci

Transmitter/controller for inductive conductivity, concentration and temperature



Reliable measurement with maximum flexibility

- Combinable with a wide variety of inductive sensors
- Configurable measurement variables $\mu\text{S}/\text{cm}$, mS/cm and concentration (NaOH , HNO_3 , H_2SO_4 , HCl , as well as customized)
- Calibration logbook
- PC Setup program for professional instrument configuration and system documentation



General Data

JUMO AQUIS 500 Ci

Analog inputs	Input 1: Inductive conductivity cell
Analog outputs	Input 2: Temperature
Binary input	For floating contact Functions: Keypad inhibit, alarm stop, HOLD
Power supply	110–240 V AC, 12–24 V DC, 20–30 V AC/DC
Analog outputs (option)	Outputs 1 + 2: 0(4) – 20 mA or 0 – 10 V Configurable as: analog actual value output and/or continuous controller output (PID action)
Switching outputs (option)	Outputs 3 + 4: relay, changeover (SPDT) Configurable as: limit controller, wash timer, calibration timer run down, controller structures, PID activatable

Maximum flexibility combined with simple operation

With the JUMO AQUIS 500 series of instruments, the most important online process variables in aqueous solutions (including pH value, redox voltage, conductivity, free chlorine, etc.), can be recorded and controlled using analysis measurement technology. With sensors that use the inductive measurement principle, instruments of the JUMO AQUIS 500 Ci type can measure electrolytic conductivity and temperature in parallel. All sensors from the familiar JUMO CTI-500 and JUMO CTI-750 instrument series can be connected. This is arguably the widest range of sensors on the market, and provides the maximum amount of flexibility for precise completion of set tasks. Integrating relays as an option makes it easy to switch greater loads. Thanks to plain text operation and the optional PC Setup program, operation is safe and reliable, with full system documentation.

Conductivity and temperature sensors for the JUMO AQUIS 500 Ci



Designation	JUMO ecoLine Ci Inductive conductivity and temperature sensor for general water engineering	JUMO tecLine Ci-S Inductive conductivity and temperature sensor for general process engineering	JUMO tecLine Ci Hygienic inductive conductivity and temperature sensor
Areas of operation	Drinking water and wastewater, dilution monitoring in cooling towers, flushing tanks	Washing and cleaning processes, measuring the concentration of acids, lyes and cleaning chemicals	Liquid food production, breweries, dairies, soft drinks manufacturing, CIP/SIP processes
Type	202943	202942	202941