JUMO

JUMO AQUIS touch S/P

Modular multichannel measuring devices for liquid analysis with integrated controller and paperless recorder
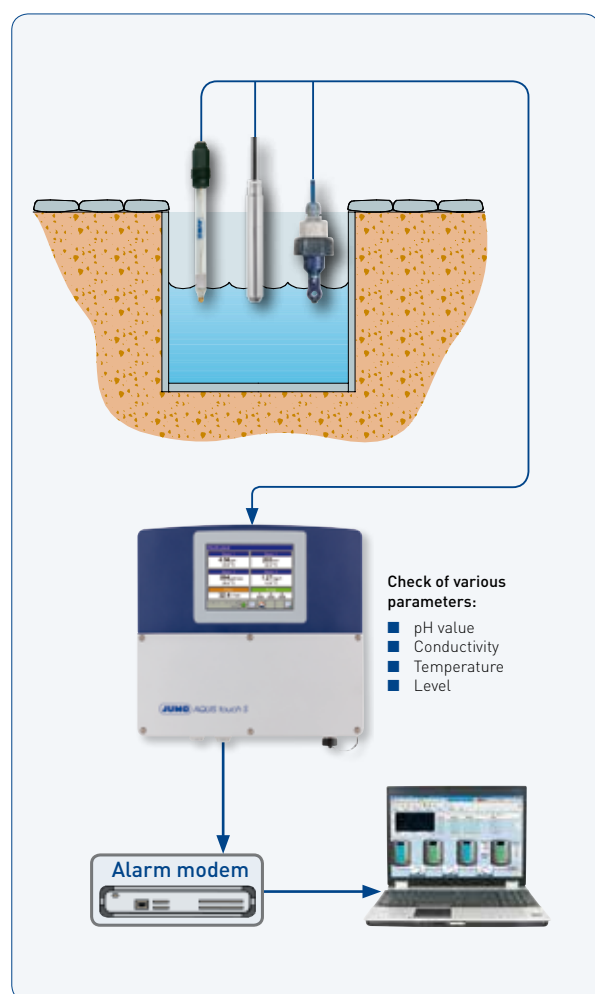

JUMO AQUIS touch S

JUMO AQUIS touch P

Uniquely versatile

- ■ Measuring, displaying, controlling, and recording in a single device
- ■ Connect up to 19 sensors
- ■ Available as a surface-mounted case or a built-in device for panel mounting (96 x 96 mm)
- ■ Simple operation via touchscreen
- ■ Freely configurable screen interfaces
- ■ Process screen for plant visualization
- ■ Up to 17 switching outputs that can be configured as controller, limit value, or alarm outputs
- ■ Math and logic functions
- ■ Integrated timers (including calibration and wash timers)
- ■ Interfaces: Ethernet/LAN, PROFIBUS-DP, RS 422/485, Modbus, USB

Type 202580, Type 202581

USP <645>   ASTM   Ph. Eur.   EN 27 888

FDA   PROFIBUS

Practical example:

Monitoring drinking water in a fountain

Check of various parameters:
- pH value
- Conductivity
- Temperature
- Level

Alarm modem

Using only one device considerably reduces the time and effort required for installation. Simple operation and ca-libration (e.g. of pH-electrodes) with the help of plain-text instructions is an additional advantage. The device can be controlled remotely via the Internet (integrated Web server) using digital interfaces (e.g. Ethernet/LAN). In addition, warnings and alarms can be sent as an SMS text message notification.

Measure – Display – Control – Record:

Four tasks, one solution

Measurands	- pH value/redox voltage - Electrolytic conductivity - High-purity water resistance - Temperature - Disinfection-related measurands: free chlorine, total chlorine, chlorine dioxide, ozone, hydrogen peroxide, and peracetic acid - Water/filling level - Flow/flow rate

Display	- Vibrant TFT color graphics display with touch function:
	  AQUIS touch S: 5.5",
	  AQUIS touch P: 3.5"
	- Up to 15 languages can be con-figured – including those with Cyrillic characters or others with a non-Latin alphabet

Control function	- Up to 4 high-quality control loops can be defined - Proven JUMO algorithms for P, PI, PD, and PID control - Autotuning procedure to determine the controller parameters
Recording function	- Integrated paperless recorder for up to 8 analog measurands and 6 binary signals - Tamper-proof data storage for official record keeping - Data can be extracted when required and be further pro-cessed with separate soft-ware