



AQ Ultrasound Controller

Continuously monitors bubbles and levels

Ultrasound Controller is designed for use with the Air Sensor, Level Switch or the Level Sensor. With the Air Sensors it can continuously monitor the presence of bubbles in a flowing liquid. With the Level Switch it can monitor four liquid levels inside a container. With the Level Sensor it can monitor the exact liquid level inside a container.

■ Easy to use

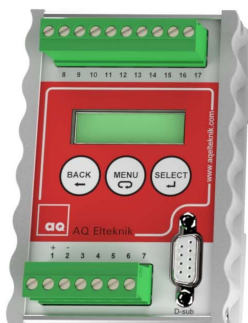
Ultrasound Controller is compact and easy to install. It is designed to be mounted on a DIN rail. It is easy to program and calibrate using three buttons and the text display. The Ultrasound Controller comes in two different models: D72 without Profibus, DP72 with Profibus DP.

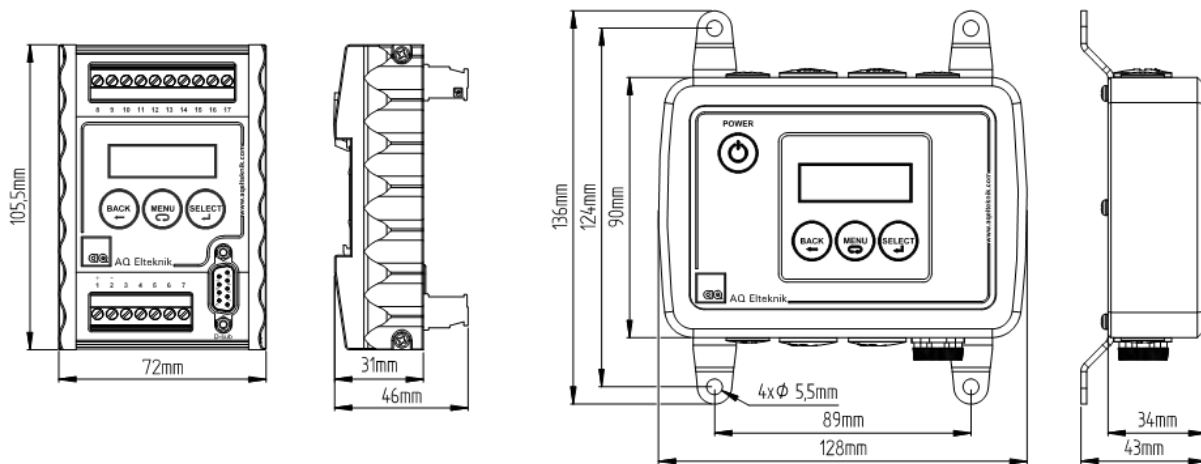
■ Reliable and flexible

The AQ Ultrasound Controller can control two Air Sensors or four Level Switches or two Level Sensors. It has four relay-outputs, one 4-20mA output and the DP72 can be connected to Profibus-DP.

■ Usable in many ways

AQ Ultrasound Controller is used in biochemical industries which all have high demands on reliability and aseptic design but it is also used in other industries such as food and process industries.





Technical data Ultrasound Controller D72 / DP72:

Weight	210 g
Operating temperature	0°C to 50°C
Supply voltage	24V ± 3VDC
Current consumption max	200 mA
Relay 1-4	potential free contacts (open when power is off) Maximum load: 30V DC/AC 500mA All four relays are connected to a single common (terminal 3)
Protection class	IP20
Ambient Humidity	0%-90%
Measurement frequency	1.1 - 2.2 MHz
Average output power	10mW
Connects to:	Air Sensor: 2pcs FCP / FCS / SAC Level Switch: 4 pcs LS/RS Level Sensor: 2 pcs LSF

DP72 can also be connected to Profibus DP

Profibus DP	Max bitrate 1500kbit/s
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WE ARE RELIABLE