

Probe A001



Connection to the process

1" BSPP threaded connector

Sensitivity range

1-100% of surface area covered by biofilm
(i.e. the first bacterial layer)

Operating conditions

Temperature: $-10 < T < +60^{\circ}\text{C}$
(for measuring biofilm growth: $+2 < T < +40^{\circ}\text{C}$)

Oxygen: $> 10\%$ of saturation
(at the maximum sensitivity level)

Pressure: < 10 bar

Conductivity: $> 100 \mu\text{S/cm}$

Power supply

12V DC $\pm 20\%$

Data communication protocols

Code A001S1: 4-20 mA

Code A001S2: RS485/MODBUS RTU

Wiring

Standard 4-wires electric cable (2 wires are used for power supply and 2 for data transmission)

Software

Minimum system requirements for A001S2 model (RS485/MODBUS)

PC with Windows XP/7/8, 1 GHz CPU, 512 Mb Ram, 200 Mb of free space on hard drive, RS485 serial interface or usb port (for USB-RS485/MODBUS converter)

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