

Büchi measure- and control instruments

Connect, measure, control



- Büchi quality
- plug & play
- turn-key solution
- modular and compact
- custom tailored for Büchi reactors
- easy operation

Applications /

- data acquisition and control
- recording valuable process data
- data transfer



büchiglasuster
switzerland Pilot Plant and Reactor Systems

BÜCHI - THE WAY TO GET RESULTS!

bds sc (single channel)

Measure, monitor, control

The microprocessor controlled functions of the bds sc offer the user optimised operation convenience. The compact individual units are stackable and can be combined via its integrated bus system to form a complete measuring system.

bds sc instruments are available for the following parameters:

- Temperature (bds te)
- Pressure/vacuum (bds pr)
- Pressure/vacuum control (bds vc)
- Torque (bds tq)
- Stirrer speed (bds sm)
- pH (bds px)

Data processing

The process data of the bds sc can be collected and processed with the PC based Büchi software bls 2.

bds md (multi display)

The bds md is a display unit for up to 3 channels, where the parameters can be chosen.

Following parameters are possible:

- Temperature
- Pressure/vacuum
- Stirrer speed

For example 2 x temp; 1 x speed etc.

The RS232 interface allows for data transfer to the bls 2 Software.

Temperature controller btc

Temperature controller for

- limbo high pressure reactor
- autoclave vessels with electric heating Type 3E / 4E
- general purpose applications
- PID control single-stage or cascade
- overtemperature safety switch
- pre-configured for your application

The RS232 interface allows for data transfer to the bls 2 Software.



bds sc



bds md

bds mc (multi channel)

Plug & play

Measuring and controlling equipment for Büchi laboratory autoclaves and chemReactors

Complete solution

- Multichannel measuring and controlling unit
- Comfortable operation of autoclave
- Easy operation via function keys and touch screen
- Excellent readability of colour display
- Coded probe connectors (easy and safe connection)
- Operation of Büchi cyclone stirrer drives
- Remote control interface for Büchi bls 2 software

Measure/control

- 6 process parameters, including:
 - Temperature
 - Pressure
 - Torque
 - Stirrer speed
 - pH
 - Other commonly used parameters
- 4 analog outputs:
 - Recorders
 - Set point for thermostats
 - External agitator drives
 - Other instruments
- 4 digital signal outputs:
 - For limit switch/alarm switch
 - 4 Relay outputs for alarm

Integrated operation of Büchi cyclone drives

- Speed control and torque (depending on drive)
 - speed setpoint
 - speed and torque readout

Interface

- RS232



btc controller



bds mc

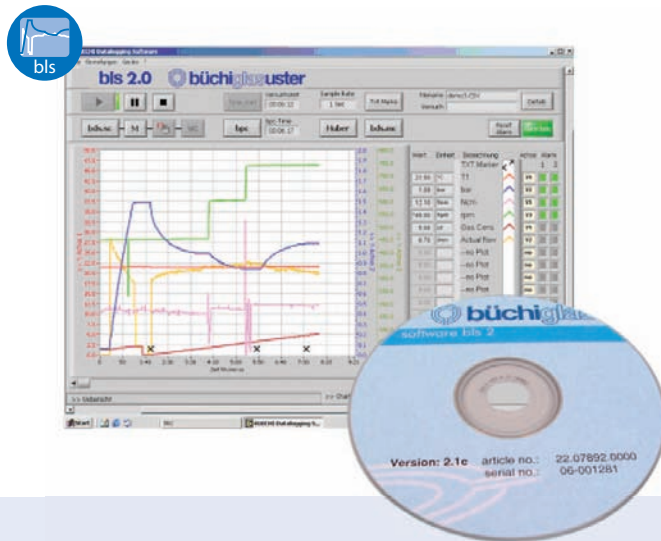
Büchi software bls 2

Features

- Automatic configuration of measuring channels (plug & play)
- Customisable configuration
- Control of connected instruments
- Graphic display of up to 16 channels
- Archiving of data in ASCII file for further use
- Different zoom – and cursor functions
- Integrated logbook
- Easy data transfer to different reporting software applications like Excel, Origin, etc.

PC based measuring/controlling software for all Büchi instruments

- bds md
- bds sc
- bds mc
- btc
- bpc (Büchi pressflow gas controller, gas dosing)



Custom solutions



Control of suspension-polymerisation



Manifold with control valves for massflow-controller



Control/Display: Different versions upon request



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