

PROGRAMMABLE DUAL SYRINGE PUMP (PDSP)

COMPETENCIES

- Special device construction
- Prototype construction
- In-house and hardware-related design
- Programming
- PCB design development

SERVICES

- Technical support on-site and remotely
- Installation and setup
- Maintenance
- Application Support
- Soft- and hardware-support
- Guarantee
- Sales and distribution

FIELDS OF APPLICATION

- Laboratory applications
- Quality monitoring
- Research
- Product development
- Diagnosis
- Therapy

CONTACT

Burghart Messtechnik GmbH
 Uetersener Strasse 6
 25488 Holm, Germany
 +49 4103 80076-0
 info@burghart-mt.de
 www.burghart-mt.de



- High precision and programmable device
- Pumping process gets started either manually or via any external trigger
- Touch screen
- Easy to use Interface with various adjustment features
- Sequence table for designing automated and complex test scenarios
- Easy transfer of self-designed polygons to the PDSP controller
- Continuous gas flow for uninterrupted analysis
- Heating (optional) to prevent moisture condensation
- Not limited to aerosol - liquids / watery solutions can also be used

The Programmable Dual Syringe Pump is the most sophisticated pump to match almost every requirement in moving aerosol and liquids, precise and controllable.

The PDSP consists of two identical linear piston pumps with a glass cylinder, which are moved by a stepper motor. The alternating operation of the two pump modules generates a continuous aerosol flow for carrying out uninterrupted analysis.

The control parameters can be set via a separate touchscreen terminal.

Optionally, the PDSP can be equipped with a heater to prevent moisture condensation.

The double pump function can optionally be switched off to switch to single pump operation.

Technical data

Pump volume:	35 to 150 ml
Interfaces:	USB, RS 232, Ethernet
Operating voltage:	230 V-AC / 50 Hz or 115 V-AC/ 60 HZ
Power consumption:	70 VA
Compressed air for pneumatics:	6 bar non-lubricated
Ambient temperature:	15 to 30 °C
Dimensions:	
- PDSP:	approx. 890 x 200 x 230 mm (W x Dx H)
- Controller & Terminal:	approx. 61 x 43 x 41 mm (W x D x H)
Weight:	approx. 18.5 kg

Subject to alterations.