

PowerMon



 **PowerMon**
The No.1 Innovation

SPX[®]



Bran+Luebbe – innovation born out of experience

Bran+Luebbe designs and manufactures high-performance instruments which are used for on-line and laboratory analysis in nearly every country; they provide some of the most reliable and accurate measurement available for a range of different parameters and sample types. PowerMon combines 75 years of experience in on-line analysis with the best modern components.

Bran+Luebbe Monitors have earned a reputation for long life, high precision and easy operation and are purpose-built for continuous use in an industrial environment. Some of the first chemical on-line analyzers in the world for water analysis were produced by Bran+Luebbe.

Since then applications for water preparation, waste water treatment, boiler feed water and ultra-pure water have been continuously improved and the field of analysis has extended into chemical processes.

The analyzers conform to the latest industrial standards and regulations and can be delivered individually or incorporated into a complete measurement and control system. More than 15,000 installations world-wide demonstrate the quality of the instruments and the technical support.

PowerMon – more than a simple analyzer

Fully automatic operation, self-monitoring and automatic recalibration are found in nearly every on-line monitor, but PowerMon has extra capabilities which greatly improve the scope and convenience of the analysis and reduce the running cost.

PowerMon uses chemical analysis to determine sample concentration, but some parameters such as dissolved oxygen, pH, redox and conductivity are better measured with a special sensor. These sensors can be connected

to a PowerMon to provide a combined analyzer for several parameters in which the results can be freely combined.



Connecting external sensors

One PowerMon can be connected to several external sensors as a data logger and control device.



Remote diagnostics and networking

PowerMon can easily be interfaced with a PC network or a telephone system, allowing the instrument to be controlled and monitored remotely.



More economical, more precise and faster than before

A PowerMon can be adapted to different types of sample and can measure multiple sample streams with automatic stream switching. This is more economical than using separate analyzers. Running costs are reduced with lower flow rates and long maintenance intervals. Speed-controlled peristaltic pumps reduce the analysis time and the high-resolution dual-beam photometer provides the most stable results.



Easy data transfer via USB

Firmware updates are delivered on a USB stick: just plug it in and the update is performed automatically. To transfer data in the other direction, measured results can be easily transferred to the USB stick for use on a non-networked PC.



Two sample streams as standard

There is no extra charge for PowerMon's second sample stream capability, which needs just one extra solenoid valve. The analyzer can be expanded to measure a total of 6 different sample streams.



Supports all common interfaces

RS232, LAN, ProfiBus, Modbus, Modem (Analog/ISDN, GSM), USB



Interactive touch screen

The graphical user interface and intuitive program combined with the touch screen make learning and using the instrument easy.



Can be used with or without the housing

PowerMon's modular construction makes it possible to mount the analyzer components in the user's own housing or to run it without the external cabinet.



Full network capabilities with direct LAN connection

Makes PowerMon the world's first fully networking On-line Monitor.



Fault reporting by text message (SMS)

Service staff can be notified automatically when an error occurs.



Linux based software

This open-source operating system helps to ensure PowerMon's high stability and robust software.



Typical Applications



PowerMon Silikometer

SiO_2

PowerMon Natriometer

Na^+

PowerMon Ionometer

CO_2 , Cl^- , K^+ , NH_4^+ , F^- , NO_3^-

PowerMon Titrometer

BO_3^{3-} , Hardness, H_2O_2 ,
Peracetic acid, alkalinity
(p/m value), S^{2-}

PowerMon Kolorimeter

Al^{3+} , Cl_2 , ClO_2 , Cr^{6+} , Co, CN^- ,
 Cu^{2+} , $\text{Fe}^{2+/3+}$, Hazen, Mn^{2+} ,
 N_2H_4 , NH_4^+ , Ni^{2+} , NO_3^- , NO_2^- ,
Phenol, PO_4^{3+} , TP, S^{2-}

More applications on request (customised solutions).



Please contact us:

Annemarie Kleist

New Sales OLM
Tel.: +49 (40) 522 02 425

Klaus Werner

New Sales OLM
Tel.: +49 (40) 522 02 284

Arne Hansen

Application and Development
Tel.: +49 (40) 522 02 561

Jens Neubauer

Application and Development
Tel.: +49 (40) 522 02 315

Yvonne Korth

Orderhandling New Sales
Tel.: +49 (40) 522 02 824

Ute Hell

Orderhandling After Sales + Service
Tel.: +49 (40) 522 02 494

Annegret Meinert

Orderhandling After Sales + Service
Tel.: +49 (40) 522 02 589

Birgit Bruhn

Orderhandling Technical
Tel.: +49 (40) 522 02 529

Jürgen Drümmer

Service Support OLM
Tel.: +49 (40) 522 02 505

Detlef Reuter

Service Technicians
Tel.: +49 (0) 171 420 1580

Georg Schmauser

Service Technicians
Tel.: +49 (0) 171 820 6961

Stefan Wohlfeil

Service Technicians
Tel.: +49 (0) 175 224 9264

Global Headquarters: SPX Process Equipment: Delavan, WI USA



SPX Process Equipment

611 Sugar Creek Rd.
Delavan, WI 53115
Tel.: +1 (262) 728-1900
Fax: +1 (262) 728-4904
Email: spxpe@spx.com
www.spxpe.com

Bran+Luebbe, Headquarters: Norderstedt, Deutschland



Bran+Luebbe GmbH

Werkstraße 4
22803 Norderstedt
Tel.: +49 (40) 522 02 0
Fax: +49 (40) 522 02 444
Email: BL@spx.com
www.bran-luebbe.de

SPX[®]

PROCESS EQUIPMENT

Your local contact:



Bran+Luebbe GmbH - Postfach 1360 - D-22803 Norderstedt
Tel.: +49 (0)40/522 02-0 - Fax: +49 (0)40/522 02-444 - E-mail: BL@spx.com - <http://www.bran-luebbe.de>

For more information about our worldwide locations, approvals, certifications and local representatives, please visit www.spxpe.com

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Issued: 7.1 - 1.0 - E - 07/2008

© 2008 SPX Corporation