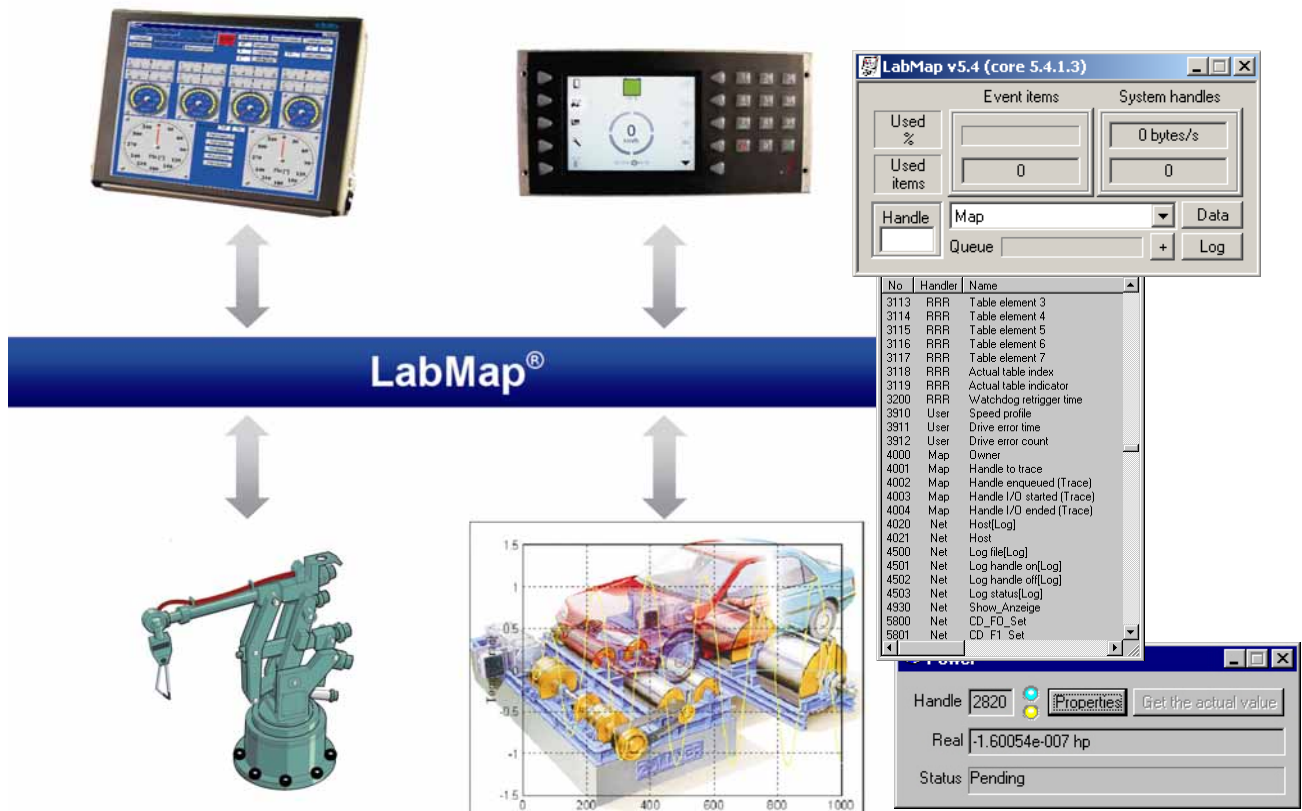


Software bus LabMap®

Product Information and Price List



September 2009

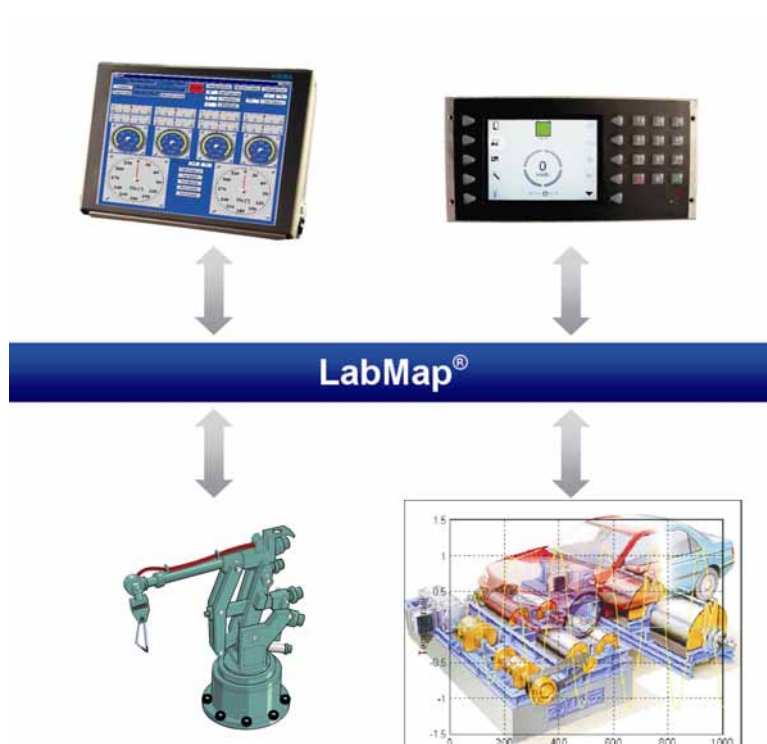
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Software bus LabMap®

Plug & play in automation

It's a short way
from measurement to monitoring & control with LabMap®



LabMap® provides a flexible infrastructure for distributed data acquisition. The data can be acquired from different nodes of the network.

Additional characteristic features:

- Decoupling the application level from the hardware
- Integrated support of physical units
- Data logging
- Level monitoring
- Online calculation channels

Reducing costs with LabMap®

- Very short installation time
- High grade extensibility
- Excellent reliability
- Minimal engineering effort
- Minimal maintenance costs
- Costs-saving in the maintenance area by internet based monitoring and control
- Quick isolation of faults in the application level thanks to modular system design

Software bus LabMap®

Increased global competition forces manufacturers of products from all technical fields to guarantee a high product quality for a long period of time. At the same time it is necessary to minimise production costs.

In order to be able to meet all these requirements, online data acquisition and –processing are of increasing importance in distributed automation systems. During production as well as in later tests and in quality control a large number of individual work steps must be parameterised, coordinated, synchronised and visualised via networks. Self-sufficient intelligent sensors, actors as well as process control units are connected with the corresponding operating- and monitoring units (human-machine-interface).

All bus systems, network protocols, visualisation software and database systems presently available on the market can be linked here. This means new demands on automation technology.

The reliability of an automation system does not suffice to guarantee this complexity and variety. The engineering effort for start-up, operation and maintenance must be reduced dramatically.

The software bus LabMap® represents a neutral level (intermediate level), in which the individual software bus units (intelligent sensors, actors, process control unit, MMI) are represented by variables. The special features of each unit such as measuring ranges, limit values, units, data types and data acquisition like cyclic, on value changed or on request etc. are configured only once during installation. Thus there is no on the spot programming necessary. New units can be integrated in this complex network through simple configuration of new variables. For this purpose there is a library at the interfaces than can be activated in the sense of plug and play.

Modularization through LabMap® thus fulfils the requirements of a modern automation system. In addition LabMap® offers:

- maximum reliability
- easy installation
- easy integration in existing systems
- low operating costs
- teleservice capability
- Quick isolation of faults in the application level thanks to modular system design

Full version softwarebus LabMap®:

Pos.	Art.-No.	Description	Net price €
1	V-LM	LabMap® (incl. interfaces to WinFACT®, Matlab®/Simulink®, LabView®, DIAdem®, Borland Delphi®, ANSI C, C++)	2,900.00 €
2	V-MLN-A	Module LabNet: network interface on TCP/IP-basis for integration of further computers in the LabMap®-system and for remote control / remote monitoring per workstation for less than 5 workstations *	350.00 € *
3	V-MLN-B	Module LabNet: network interface on TCP/IP-basis for integration of further computers in the LabMap®-system and for remote control/remote monitoring per workstation for up to 10 workstations*	290.00 € *
4	V-MLN-C	Module LabNet: network interface on TCP/IP-basis for integration of further computers in the LabMap®-system and for remote control/ remote monitoring per workstation for over 10 workstations *	on demand *
5	V-MLM	Module LabModBus: interface for communication with a modbus-capable Ethernet coupler	490.00 €
6	V-MLV	Module LabVCI: CAN-Bus-interface to CAN-Bus-products	490.00 €
7	V-MLA	Module LabAK: communication interface for AK-devices	490.00 €
8	V-MLO	Module LabODBC: communication interface for ODBC data bases	990.00 €
9	V-SM-LM	Software Maintenance LabMap® service for 1 year The software maintenance service contains free of charge updates of the LabMap®-software including the interfaces and modules listed in Pos. 1 within the term	520.00 €
10	V-SM-MLN	Software maintenance LabNet service for 1 year The software maintenance service contains free of charge updates of the module LabNet within the term	70.00 €
11	V-SM-MLM	Software maintenance LabModBus service for 1 year The software maintenance service contains free of charge updates of the module LabModBus within the term	60.00 €
12	V-SM-MLV	Software maintenance LabVCI service for 1 year The software maintenance service contains free of charge updates of the module LabVCI within the term	90.00 €
13	V-SM-MLA	Software maintenance LabAK service for 1 year The software maintenance service contains free of charge updates of the module LabAK within the term	90.00 €
14	V-SM-MLO	Software maintenance LabODBC service for 1 year The software maintenance service contains free of charge updates of the module LabODBC within the term	190.00 €
	*	Price per workstation for one LabMap®-application	

Customer list full version

The softwarebus is being used by the following customers of cbb software GmbH:

- Volkswagen AG
- Daimler AG
- AVL-Zöllner GmbH
- AVL-Deutschland GmbH
- Horiba Automotive Test Systems GmbH
- Renk AG
- Schenk-Pegasus GmbH (Dürr Automotion Systems GmbH)
- Kratzer Automation AG
- MAHA Maschinenbau Haldenwang GmbH
- Modine Europe GmbH

Reference list study licenses

Location	Area of application
Universität Lübeck Institut für Technische Informatik	Abstraction layer between hardware and algorithms for the control of cleaning robots
Universität Bremen Institut für Automatisierungstechnik	Control engineering, data acquisition, presentation in teaching
Hochschule Bremen Zentrum für Informatik und Medientechnologie	Control engineering, process engineering, motive power engineering, laboratory operation
Hochschule Biberach Studiengang Gebäudetechnik / -klimatik	Control engineering, data acquisition, presentation in teaching
Fachhochschule Lübeck Labor für Automatisierungstechnik	Control engineering, chassis dynamometer technology, telearchics, network control technology, building automation, medical technology

Universities in Europe

Location	Area of application
Eidgenössische Technische Hochschule Zürich, Switzerland	Control engineering, power train engineering, combustion system, laboratory operation
Wageningen UR, Plant Sciences Group Wageningen Universiteit, Netherlands	Control engineering, data acquisition, laboratory operation Control of solar plant

Universities outside Europe

Location	Area of application
Zhejiang University of Technology Automation Department Hangzhou, China	Network based control systems, data acquisition, data distribution, monitoring of sewage plants
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	Network based control systems, remote control and maintenance of energy distribution stations, telearchics, network control technology

Study license softwarebus LabMap®:

The use of this study license for the softwarebus LabMap® is not for commercial purposes but is allowed for training and teaching.

Study licenses are multi-user licenses (max. 10 workstations) and may only be used within an institute / department of a school respectively institute of higher learning for teaching purposes.

Pos.	Art.-No.	Description	Net price €
1	S-LM	LabMap® (incl. interfaces to WinFACT®, Matlab®/Simulink®, LabView®, DIAdem®, Borland Delphi®, ANSI C, C++ and the modules LabNet and LabModBus)	540.00 €
	S-MLN	Module LabNet: network interface on TCP/IP-basis for integration of several computers in the LabMap®-system and for remote control / remote monitoring	0.00 € contained in Pos. 1
	S-MLM	Module LabModBus: interface for communication with a modbus capable Ethernet coupler	0.00 € contained in Pos. 1
2	S-MLV	Module LabVCI: CAN-bus-interface to CAN-bus-products	100.00 €
3	S-MLA	Module LabAK: communication interface for AK-devices	100.00 €
4	S-MLO	Module LabODBC: communication interface for ODBC data bases	100.00 €
5	S-SM-LM	Software maintenance LabMap® service for 1 year The software maintenance service contains free of charge updates of the LabMap®-software incl. the interfaces and modules listed in Pos. 1 within the term	110.00 €
6	S-SM-MLV	Software maintenance LabVCI service for 1 year The software maintenance service contains free of charge updates of the module LabVCI within the term	20.00 €
7	S-SM-MLA	Software maintenance LabAK service for 1 year The software maintenance service contains free of charge updates of the module LabAK within the term	20.00 €

Pos.	Art.-No.	Description	Net price €
8	S-SM-MLO	Software maintenance LabODBC service for 1 year The software maintenance service contains free of charge updates of the module LabODBC within the term	20.00 €
9	S-LMWF-A	Package A LabMap® and WinFACT® LabMap® according to Pos. 1 and WinFACT® type A (modules BORIS and INGO)	1,080.00 €
10	S-LMWF-B	Package B LabMap® and WinFACT® LabMap® according to pos. 1 and WinFACT® type B (modules BORIS, FLOP and INGO)	1,320.00 €
11	S-LMWF-C	Package C LabMap® and WinFACT® LabMap® according to Pos. 1 and WinFACT® type C (all modules)	1,590.00 €
12	S-LMWF-D	Package D LabMap® and WinFACT® LabMap® according to Pos. 1 and WinFACT® type D (all modules plus FuzzyTECH 5.3 student edition)	1,910.00 €
13	S-LMWF-E	Package E LabMap® and WinFACT® LabMap® according to Pos. 1 and WinFACT® type E (all modules plus NeuroModel 1.4 study license)	2,430.00 €
14	S-LMWF-F	Package F LabMap® and WinFACT® LabMap® according to Pos. 1 and WinFACT® type F (all modules plus FuzzyTECH 5.3 student edition and NeuroModel 1.4 study license)	2,700.00 €

Copy license:

It is possible to purchase a copy license optionally for an extra 50% for each study license type. This allows the unlimited distribution of copies of the software and documentation to students/pupils of the respective department for application related to the education.

Extension of the study license:

Extension of the multi-user license to 11 till 20 workstations: 50% of the basic price

Extension of the multi-user license to 21 till 30 workstations: 30% of the basic price

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