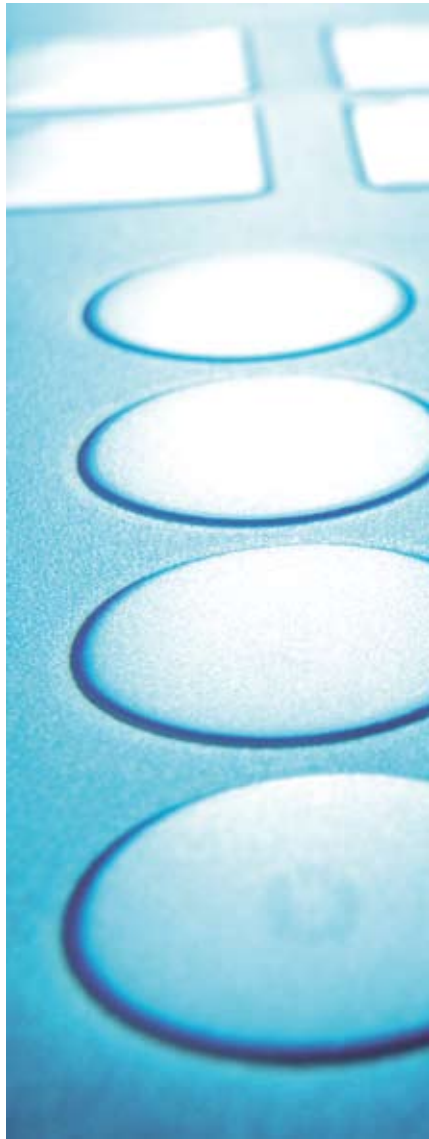




Product Overview





Complete Solutions

for your Automated Tasks

With an extensive product spectrum that ranges from innovative product series in the I/O area, control, visualization and motion components to the LASAL automation software and the trend-setting VARAN bus technology, SIGMATEK offers the optimal solution for your automation requirements.

VARAN Bus System



I/O Systems

The modular world of the DIAS system is unlimited: CPUs, analog and digital I/Os as well as measuring and positioning modules are available in various standard configurations. Great value was placed on extremely fast module access times and easy connection technology for all our component series.

For IP20, the **DIAS** system with 3-wire connection and the highly compact **C-DIAS** series are available. The **P-DIAS** modules complete the product range for the IP67 requirements.

All systems can be combined with one another, just as required. They can also be configured in a centralized or decentralized system with no performance loss in the bus communication, thus providing your application with a high degree of flexibility.

HMI's

Here, the product choice ranges from simple 2-line displays to high resolution touch terminals of up to 19". The optimal variant is available for every application.

Naturally branch-specific solutions are also possible whether with plastic or metal housing. Front laminate and keypad layouts can be fit to customer and machine design anytime.

Our customers can choose from numerous standard variations. HMIs that can execute control tasks in addition to classic visualization are also available.

Always efficient. Always in op

Industrial PCs

Our Industrial PCs make a strong impression with their high performance and compact design. Special attention was given to robustness, low maintenance and long-term availability of the modules; multiple interfaces are included in the basic configuration. The IPCs are available with active as well as passive cooling. The scalable performance through the use of different processor types allows the IPC to be customized perfectly to your requirements.



LASAL CLASS



LASAL Software

LASAL is a highly integrated design environment for all SIGMATEK products. Thanks to object oriented programming, automated tasks can be implemented easily and efficiently.

LASAL CLASS is designed for creating projects according to IEC 61131-3 with object-oriented programming, client-server technology and graphic presentation. **LASAL SCREEN** is an outstanding tool for creating full graphic screens with Unicode character sets, recipe storage, real-time graphics, trends and alarm management. **LASAL MOTION** integrates drive technology in the design environment to form a complete automation concept. **LASAL SERVICE** simplifies remote maintenance and servicing.

Motion Control

With the Motion Control System, SIGMATEK offers complete motion control solutions: motors, drives and software interact seamlessly and are fully integrated into the control system. The convincing result is simple start-up, excellent servo properties, high precision, flexibility and efficiency.



VARAN Bus System

LASAL MOTION



VARAN Bus System

The Ethernet technology based VARAN Bus System meets all requirements of a modern industrial network and is optimized for applications in machine automation.

VARAN is simple, safe, fast, hard real-time capable and easy to implement. The protocol is implemented completely in the hardware. All important messages are confirmed and resent immediately in the event of an error, guaranteeing that all data is valid at the end of the cycle.

A 16bit measurement value - respectively 16 I/Os - requires less than 2µs.

eration. Always a step ahead.

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