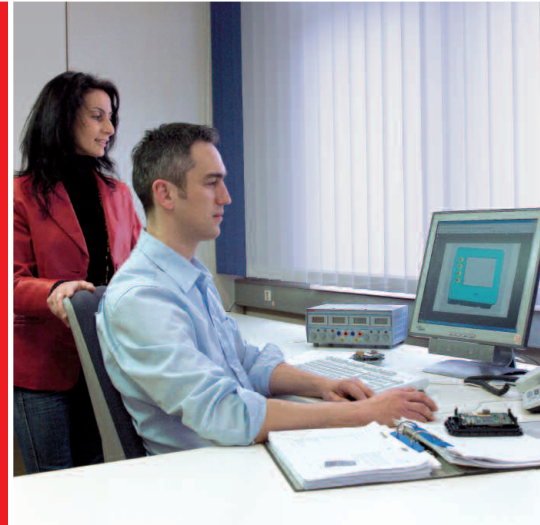




Project management

Development

BAUSER®



**Traditionally
innovative**

Production

Products



BAUSER – reliable day after day, for more than 60 years now

Shaping the future together

It is not a coincidence that Bauser has been listed as an A-supplier by leading premium manufacturers for so long. After all, BAUSER have solutions for everything connected with visualisation and monitoring, while our control and counting technology are among the best the market has to offer.

Versatility in your best interest

We are constantly evolving for ourselves and for our customers. This started with our company founder, Julius Bauser, who originally produced control clocks for night watchmen, from this he then went on to make the first hour counter called »HORACONT« back in 1953.

Always an idea ahead

The BAUSER GSM alarm modem combines our inherent expertise with current communication technology, as is the case with our instrument clusters for visualisation and control functions.

Project management



Bauser combine their technical feasibility with what makes commercial sense and are already defining the standards of tomorrow.

Latest example: Our instrument clusters for utility vehicle cockpits, some of them with TFT colour displays as well as stationary and industrial equipment. They are innovative in terms of functionality and user-orientation, but above all high quality and good value for money.

With the world's biggest electromechanical product range and representatives in more than 50 countries around the globe, BAUSER ultimately became the market leader and opened up new fields of business one step at a time: with battery and time controllers for electric vehicles, instrument clusters, complementary products for visualisation and control tasks, or GSM technology for remote monitoring and control purposes.

Equipped with analogue and digital inputs as well as a CAN interface for CANopen, SAE J1939 or other customer-specific communication protocols, the latter can be perfectly integrated in a wide range of applications. They also make an essential improvement to the handling of off-road utility vehicles by pooling individual display instruments in a complete solution. More reliably and cost-effectively than ever.

World class made by BAUSER

By using the latest means of communication, we often develop solutions to problems directly with OEMs. Profound knowledge of engineering and an experienced, multilingual project management department make us an internationally recognised supplier.

Count on top performances in top quality. Our employees in project management, development, production, quality assurance and logistics offer you competent support at all times.

Committed to setting standards

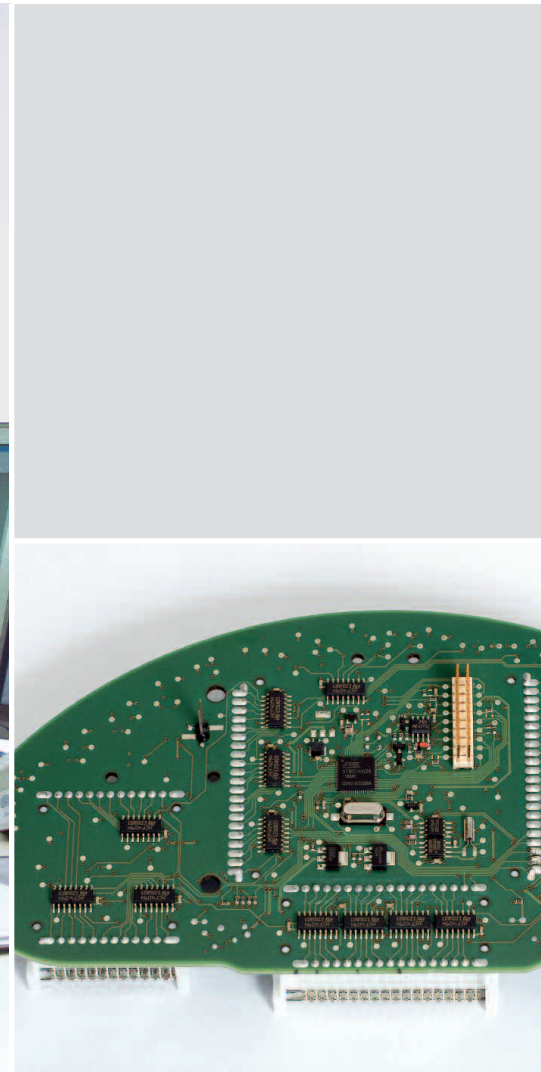
The environment should also benefit from our success. The "Julius Bauser Foundation" set up by the company founder has been supporting social and cultural projects since 1978. Over and above that, we sponsor the school in the company's home town of Empfingen.

Development



Existing, standardised solutions can be soon adapted to customer requirements. From project planning through to development, prototyping and serial production in a relatively short time span, because at BAUSER all our specialists work under one roof - with our own tool making as well as our own injection moulding departments. And thanks to tried and tested micro-processor and display technology, we can react extremely flexibly and deliver just-in-time.

It is no coincidence that our processes have passed many accreditation inspections and audits. In accordance with ISO 9001:2008 quality management, our facilities feature the latest ESD protected assembly lines and surface-mounted circuit boards with in-circuit test (ICT). Backed by reliable testing and production systems, such as AOI and PLC test equipment, BAUSER works with first class procedures across the entire workflow. In the end, total customer satisfaction is our ultimate goal.



At the company itself we attach particular importance to equal opportunities and to reconciling family life and work, for which we were given awards in 2004/2005 by the Baden-Württemberg Ministry for Economic Affairs and the Federal Ministry for Family, Senior Citizens, Women and Youth in Berlin. We want to attract the best and rely on a continuous qualification process. For a strong team with ideas.

BAUSER – with well-established workflow towards ultimate quality and satisfied customers

Knowledge to take you further

Seeking dialogue, among each other, with partners and clients. Developing innovations together. Making use of synergies. Creating relations within and to other sectors – all this is what the BAUSER name represents.

Complete services from a single source

Our uniquely high breadth of production benefits customers in industry, mechanical engineering, manufacturers of construction and agricultural machinery as well as plant engineers and building technology providers.

Partnership at eye level

Our clients include renowned manufacturers in the material handling and utility vehicle sector. We have also been supplying internationally recognised OEMs in the automation sector and heating industry for decades.

Simply outline your requirements to us or send us your specifications. We will take care of them! BAUSER solutions will give you a critical advantage, since a high level of automation through to final assembly allows us to simply produce more efficiently.

Structuring production processes and coordinating them perfectly with each other is what sets us apart. The smooth interplay between distribution, material flow and logistics guarantees cost-effective work processes and hence high productivity through to timely delivery.



We dedicate our full attention to every project:

- **Project management**

By a qualified, experienced project management team with knowledge of the industry

- **Conception**

In accordance with all project requirements defined in the specifications in advance

- **Development**

With rapid prototyping, prototype construction, environmental testing, pilot series

- **Individualisation**

Based on existing software and hardware plus various casing designs

- **Logistics**

Delivery guarantee with a stock facility to buffer order peaks



By making our own injection moulded tools and plastic parts, however, we also simply operate more flexibly in serial production and are constantly opening up new application areas, such as in the field of sensor, control and instrument technology for stationary machines and equipment (e.g. compressors, generators etc.). Our hardware and software is in demand worldwide.

Good, better, BAUSER

At the heart of our manufacturing are ultramodern production facilities. For example, in ESD protected electronic manufacturing, products are fitted both the classic way and using SMD technology. Both to the highest quality level.

Safely the first choice

Besides the ISO 9001: 2008 and UL-CSA Approval requirements, in order to ensure all industrial and vehicle technology guidelines are fulfilled, we perform all the relevant environmental checks internally and through external laboratories.

Supply meets demand

Swabian inventive spirit, consistent user orientation and high quality standards make BAUSER a creative system partner, which also offers complementary products that are perfectly matched to instrument clusters.

Production



In order to fulfil the BAUSER quality promise, we leave nothing to chance. An AOI (Automatic Optical Inspection) system for high-end inspection takes over the quality assurance for our sub-assemblies, whilst PLC test systems are used for final checks. In addition, IC testers (ICT) are used to check printed circuit boards for routing, soldering and component defects.

Not least, however, we build on a competent set of employees. Out of this, teams are formed, in which everyone brings their own strengths and takes on responsibility. Supported by flat hierarchies and a lean organisation. Reinforced by continuous training, cross-departmental project work and the strategic promotion of corporate thinking.

Even more: various tool applications and circuit board designs allow fast hardware adaptation, whilst using different microcontrollers enables quick customer-specific software programming. Thanks to a combination of experience in electronics, electrical and software engineering, your customised instrument can be produced cost effectively starting from a standard instrument type.

BAUSER – a genuine full-service provider with an equally wide and individual range

BAUSER instrument clusters

BAUSER instrument clusters in a wide variety of front dimensions make reading operating parameters particularly convenient. They come with extensive certifications, hardness test approvals and environmental tests.

NEW: Now also with colour displays

Furthermore, the standardised hardware and software architecture can be adapted for different colour display screen sizes of 2.8", 3.5", 5" and 7". In brilliant resolution from 240 x 360, 480 x 272 or 800 x 480 pixels. A reversing camera can be displayed as an option.

Very simple to operate by an ignition key with cryptographic transponder. As a tamper-resistant protection against vehicle theft and unwanted operation.

Products



Their large, coloured backlit displays are available in TFT, ASTN and TN technology. The casings meet protection levels IP67 (at the front) and IP65 (optionally protected at the back) and are highly shock and vibration resistant. Data is transmitted in digital and analogue format, or optionally – on vehicles with onboard data networks, machines and equipment – via all standard protocols, such as CAN, CANopen or SAE J1939. In addition, various LEDs ensure that all relevant vehicle data and functions are displayed in optimal fashion.

The instrument clusters are easy to operate using buttons at the front, which can also be illuminated, e.g. to change the time and retrieve data. In the pipeline: I/O modules that can further extend the monitoring and control of machine and vehicle functions. Via CAN bus interface and using PWM outputs.

Also with the complete system in mind: an electronic immobiliser.

BAUSER battery monitoring

Our battery and time controllers or battery monitors show the exact residual battery capacity and protect against expensive deep discharge. Easy to read, they also register the operating and service times on request, for example. As a space-saving version, the BAUSER miniature range is successful with green, yellow and red LEDs.

BAUSER GSM alarm modem

No matter what the industrial or building technology application, the innovative product family based on GSM technology makes remote monitoring with control functions incredibly simple. The BAUSER alarm modem expands your activity radius – without programming knowledge and free of charge

The modular GSM alarm system features a USB interface, can be configured by PC or SMS and supports email and fax. It is designed for up to 16 network participants, three alarm cascades and various access rights (administrator, switch-authorized person, listener).

Products



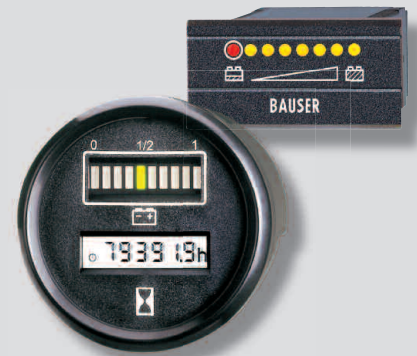
Alarms, fault and status reports trigger freely definable SMS messages on your mobile phone. And if the worst comes to the worst, you then have the option of switching the system in question on and off by remote control or rectifying the fault sooner on site. Overall, upgradable to system solution GAM 5 with seven extra I/O modules.

BAUSER hour counters

BAUSER offers the biggest range of electromechanical time counters in the world. Our quick and easy to assemble units allow production, service and running times to be reliably recorded, which helps to exactly plan and monitor production processes, maintenance cycles and guarantee periods.

BAUSER digital time and pulse counters

A large selection of electronic time, service and pulse counters are available from BAUSER. No matter which model you choose – you can easily rely on sophisticated design, best quality and the latest microprocessors.



In the form of BAUSER twin counters, they provide two digital values (e.g. service and total times) on just one display. The first is permanently displayed, with the second in the background. And anyone who prefers to have two values permanently displayed can simply opt for a BAUSER 2-display counter. Both models are available with manual and electrical reset or relay/signal output.

Further details on the Internet at:

www.bauser-control.de

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