

Bmcm publishes updated version of their catalog for measurement systems

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Category: [Industry, Real Estate & Construction](#)

Press release from: [BMC Messsysteme GmbH \(bmcm\)](#)



Maisach/Munich/Germany. Under the title "DATA ACQUISITION", BMC Messsysteme GmbH (bmcm) introduces a revised product overview of their data acquisition systems, measuring cards, data loggers and amplifier measurement systems in the field of PC-based data acquisition.

In measurement technology, data acquisition (DAQ) is the area responsible for recording and processing a physical quantity (e.g. voltage, temperature, speed).

The field of PC-based data acquisition uses the computer as a tool to start scans, save and analyze signal values. In this case, physical quantities are recorded directly as voltages or by means of a sensor and are conducted to a data acquisition system connected to the PC. In the data acquisition unit, the recorded signals are digitized by the analog-to-digital converter (ADC), allowing for the recorded signals to be readable and utilizable by the PC.

Since measurement tasks have extremely different requirements for a measurement system, a large variety is available. When choosing a suitable data acquisition system, it is advisable to consider the following aspects:

- type of signal to be recorded
- required mobility
- environmental conditions
- PC interface
- price - performance - quality

Therefore, the "DATA ACQUISITION" catalog from BMC Messsysteme GmbH (bmcm) presents a wide range of internal and external measurement systems using different PC interfaces (USB, LAN, PCI, ISA, PC/104, CAN, RS232).

The bmcm measuring cards integrated in the PC guarantee high noise suppression and - because of short latencies - are particularly suitable for controlling.

External measurement systems, on the other side, feature great flexibility and mobility - ideal for connecting to a laptop.

With the LAN data acquisition systems from bmcm remote measurements across great distances can easily be realized.

Unrivalled in the field of USB measurement technology concerning price-performance ratio is the new 16-bit data acquisition system USB-AD16f recording signals with 250kHz total sampling rate galvanically isolated.

A special type in data acquisition are data loggers providing an integrated memory. As the PC is only necessary to read out

and analyze measuring data, they are especially suitable for mobile data acquisition and long-term supervision.

A highlight in this category is the 2. generation of the data logger ePCII-LOG in ETX technology, particularly recommended for mobile use in the automotive area or in harsh environment.

The high-density amplifier measurement systems of the AMS series represent an absolutely new group in the product range of BMC Messsysteme GmbH (bmcm). They are available with integrated LAN- or USB data acquisition system designed as a tabletop unit (42TE) or 19" rack system (84TE). Decisive is the modular concept allowing the user to choose the single components (e.g. 5B amplifiers, connection technology) to create an individual complete system.

The revised edition of the "DATA ACQUISITION" catalog represents a clear and comprehensive impression of the available bmcm data acquisition systems inclusively all mentioned new products. It can be ordered for free at bmcm (--> helpdesk@bmcm.de) or be downloaded as PDF file from the website (--> www.bmcm.de/us/ho-home.html).

In addition, further product brochures ("AMPLIFIERS", "SOFTWARE", "PC-SYSTEMS") as well as a company profile ("PRESENTATION") are provided.

*** About BMC Messsysteme GmbH (bmcm) ***

BMC Messsysteme GmbH was founded in 1994 as an independent corporation with headquarters in Maisach, app. 30 km west of Munich. bmcm is one of the only German companies that completely develops and produces in Germany. The products of data acquisition and PC technology from BMC Messsysteme GmbH stand for quality "made in Germany". A high value is set on keeping an excellent price/performance ratio. Since establishing a direct distribution in July 2006, customers have been able to profit from the advantage of direct contact to the manufacturer.

BMC Messsysteme GmbH serves the following business areas:

* Measuring components and PC measurement technology *

This comprises a wide range of connection systems, measuring amplifiers, data acquisition cards (internal and external), "ready-for-use" data acquisition systems, data loggers and the appropriate software for visualization, recording and analysis. www.bmcm.de/us/prgr-products.html

* PC technology *

This area includes embedded PCs developed as complete solutions as well as single PC components often used in the automotive field.

www.bmcm.de/us/prgr-pc-tech.html

* D2M (Design to Manufacturing) and OEM products *

BMC Messsysteme GmbH develops and produces electronic components according to customer specifications.

www.bmcm.de/us/co-d2m.html

You will receive high-quality products manufactured already since the beginning of 2006 according to the RoHS directive. Of course, the corresponding documentation and CE test is always included.

A German documentation is obligatory for us, as well as an English description to be available to our international customers.

BMC Messsysteme GmbH
Hauptstrasse 21
82216 Maisach /Munich
GERMANY

Sales:

Phone: 0049-8141-404180-2

Fax: 0049-8141-404180-9

e-mail: sales@bmcm.de

URL: www.bmcm.de

Press:

Phone: 0049-8141-404180-0

Fax: 0049-8141-404180-9

e-mail: info@bmcm.de

URL: www.bmcm.de

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