

Modular PCI data acquisition system PCI-BASE1000 for stationary acquisition of measuring data

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

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



Maisach/Munich/Germany. BMC Messsysteme GmbH (bmcm), long-time manufacturer of measurement technology, proudly presents the PCI multi-function data acquisition card with a highly integrated and modular concept at an unbeatable price which allows the user to tackle any measuring task by assembling his individual measuring card.

The brilliant idea of the PCI-BASE1000 is its modularity providing an enormous flexibility. With the selection of suitable data acquisition modules to equip the two module slots of the PCI-BASE1000 the customer decides about performance and price of his measurement system and is able to optimize the price-performance-ratio.

The PCI-BASE1000 baseboard features 16 digital inputs and outputs each which means that the base board is a digital I/O card itself.

The analog input and output modules sample with a different resolution and sampling rate within the selectable measuring range of +/-1V, +/-2V, +/-5V or +/-10V.

For example, the PCI-BASE1000 combined with two 16-bit input modules MAD16f records high-frequency analog signals with an overall sampling rate of up to 1 MHz. The switch-over from one measuring range to another can be defined for each channel separately and does not influence the sampling rate.

(--> www.bmcm.de/us/pr-mad.html)

Particularly interesting for the automotive sector is a CAN module allowing scans with 1MBit transmission rate via two electrically isolating channels, especially as these can be recorded synchronously in time to analog channels. The measured data can simultaneously be displayed and stored on the hard disk.

(--> www.bmcm.de/us/pr-mcan.html)

All modules can be used in any combination, so that the customer gets his individual data acquisition system specially adapted to the measurement application.

Because of extremely short latencies in data acquisition the PCI-BASE1000 is especially suitable for single value measurements.

Besides that, the PCI-BASE1000 can be synchronized, so that several installed measuring cards use the same time reference.

The acquisition of measurement data via a PCI data acquisition card integrated in a PC is recommended in particular for

stationary applications. The advantage of internal fixed installation is that you can do without any interfering cables for a data acquisition system and power supply.

The entire software for installing and programming (ActiveX controls) the PCI measuring card is included with delivery.

The Plug&Play ability of the PCI-BASE1000 guarantees a simple installation, because the board will be recognized right away when turning on the PC.

With NextView®, the professional software for measurement data acquisition and analysis, a perfect complement is available. To show signals and test the functional range of the PCI-BASE1000 measuring card the version NextView®4 Live! is provided for free.

With this multitude of features one might assume that measurement technology with these advantages is prohibitive. However, even in this point the user will be surprised by BMC Messsysteme GmbH – positively, of course!

For further information please visit: www.bmcm.de/us/pr-pci-base.html.

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*** 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. Until today this autonomy could be kept, so that any affiliation to a business group never existed and is not intended for the future. bmcm is one of the only German companies that completely develops and produces all products in Germany, which means quality "made in Germany" at an excellent price/performance ratio.

BMC Messsysteme GmbH serves two business areas:

* Measuring components and PC measurement technology *

This comprises a wide range of connection systems, measuring amplifiers, data acquisition systems, data loggers and the appropriate software.

www.bmcm.de/us/prgr-products.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.

[You can find this press release here](#)