

MAL Measuring Amplifiers and Converters: Signal Conditioning in smallest format

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



Maisach/Munich/Germany. BMC Messsysteme GmbH (bmcm) extends the range of MAL measuring amplifiers by the measurement converters MAL-FU (frequency to voltage) and MAL-U2I (voltage to current).

In measurement technology measuring amplifiers and converters are used for the amplification, filtering, linearization and conversion of an electric variable. In this context we also talk about signal conditioning, which often makes a scanned signal only then utilisable.

They almost look like the famous Danish building bricks for children, and regarding compatibility and multi-functionality they are inferior in nothing. The tiny red MAL miniature measuring amplifiers and modules from BMC Messsysteme GmbH (bmcm) have the size and form of a 24-pole DIL IC. Relating to size and pin assignment they are compatible to other manufacturers.

MAL modules are available in different versions, which can be used in any combination with each other. They undertake the acquisition and conditioning of physical quantities like voltage, current, PT100, PT1000, strain gauge, thermocouple, and resistance or the galvanic isolation of signals. With this modular conception an individual measurement system can be set up.

--> www.bmcm.eu/us/prgr-measamp.html#miniature

The series of the bmcm MAL modules is now supplemented by two additional measurement converters:

Particularly interesting for rotational speed measurements is the electrically isolating frequency/voltage converter MAL-FU for the frequency ranges 100Hz, 1kHz and 10kHz.

Especially to prevent voltage drops in case of long cables the MAL-U2I can be used. It converts voltage signals in the 5V or 10V measuring range into a proportional current signal (0-20mA).

For the comfortable connection of the MAL modules BMC Messsysteme GmbH (bmcm) offers carrier boards (backplanes) in different size for external or internal use in the PC.

--> www.bmcm.eu/us/prgr-connect.html#miniature

Small but powerful - this is demonstrated by the MAL measuring amplifiers and converters from BMC Messsysteme GmbH

(bmcm) and the same applies to their price!

*** About BMC Messsysteme GmbH ***

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.

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