

## OI optocoupler cards: Galvanic isolation of digital signals

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



Maisach/Munich/Germany. With the electrically isolated optocoupler boards OI16, OI16-PC and OI104 from BMC Messsysteme GmbH (bmcm) digital signals can be received or set without interferences.

If there is no electro-conductive contact between two circuits, we are talking about galvanic or electrical isolation. Amongst others it is required for safety reasons, to separate potentials or to prevent hum loops as well as electromagnetic interferences.

If galvanic isolation is accomplished by optocouplers, digital signals can be transmitted fast and without interferences in an optical way.

The OI optocoupler boards from BMC Messsysteme GmbH provide 16 digital inputs as well as 16 digital outputs at a Sub-D37 connector electrically isolated from the connected measuring system.

Customized to a great variety of requirements these have been developed in different versions: the internal version (OI16-PC) is connected to a PC measuring card, the PC/104 type (OI104) is integrated in a PC/104 system.

Especially to mention is the external version OI16 with DIN rail carrier. It has been optimized for connecting the digital I/O interface USB-PIO. The digital measurement system used by a large range of customers, which itself has the size and form of a Sub-D connector, can be plugged directly to the OI16 via a Sub-D25 connector. Is there an easier way?

The OI optocoupler boards from BMC Messsysteme GmbH are an example for how standards in measurement technology can be realized in a simple, direct and practical way.

\*\*\* 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](http://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](http://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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