

Fast data logger featuring remote access

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



Maisach/Munich/Germany. The autonomous data acquisition system meM-LOG-SE from BMC Messsysteme GmbH (bmcm) impresses by multifunctionality, compactness and mobile use. The remote data polling via modem creates independence from local conditions and allows fast analysis of breakdowns.

The service technician of a manufacturing company is on-call for the weekend. To minimize breakdowns and long downtimes, the machines of the factory are permanently monitored. Besides that, important parameters of the manufacturing process are continuously recorded for quality control. Will the service technician spend his weekend in the company?

When developing a vehicle, road tests are done to examine the riding qualities in practice. Prototypes are equipped with data acquisition systems and tested on the street. Will the test operator of a motorcycle have to mount a PC with DAQ system to his vehicle?

Changes at railroad tracks resulting from climatic or local conditions can have disastrous effects. Permanent supervision of problematic tracks are essential. How will the scientific assistant of the commissioned institute answer the question of power supply for the data acquisition system at places difficult to access?

With the data logger meM-LOG-SE, BMC Messsysteme GmbH (bmcm), manufacturer of "innovative measurement technology made in Germany" gives an answer to these questions.

(--> www.bmcm.de/us/pr-mem-log-se.html)

As a completely autonomous data acquisition system, the meM-LOG-SE samples signals at 16 analog and 2 digital inputs (12 bit) with up to 100Hz in the 5V measuring range - without connection to a PC or external power supply.

The signals are recorded either continuously or only if a normal range separately defined for each channel has been left (alarm mode). In this case, an alarm output is additionally set so that machines can be turned off or alarm devices are turned on in case of disturbances.

The data logger can optionally be operated in a loop mode. As soon as the memory is full, old measuring values are overwritten. Even during a running scan, measurement data can be read out - perfect for long-term measurements.

The signals are transmitted to the PC via USB or RS232. Remote control and data polling of the logger is possible by a modem.

The most important commands (e.g. start/stop) to operate the data logger are entered via a control key. Also in this case, personal presence to start a scan is not necessary since date and time for the recording can be set via the free operating software "ST-meM-LOG SE" included with delivery.

The sampled data are written to a file of the *.txt or *.lfx format to be analyzed as numerical values or displayed as graphic curves in the professional measurement software NextView®4.

(--> www.nextview.de)

The service technician using a meM-LOG-SE to monitor the production spends his weekend at home and is automatically notified in case of disturbances. He reads out the recorded data via modem at home, makes analyses to get information about the cause of the failure and takes actions to solve the problem.

The test operator has no trouble to find a place for the 600g data logger with its compact aluminum housing (size app. 17cm*11cm*3cm), especially because he does not have to waste a thought on power supply.

The scientific assistant positions the logger for long-term monitoring at a sheltered position. He only needs one sample per hour. For the rest of the day, only basic functions of the meM-LOG-SE are active so that the operating time of the accumulator is considerably extended by weeks.

The data logger meM-LOG-SE from BMC Messsysteme GmbH (bmcm) has the suitable answers for long-term measurements, supervision of disturbances and mobile applications.

*** 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.

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