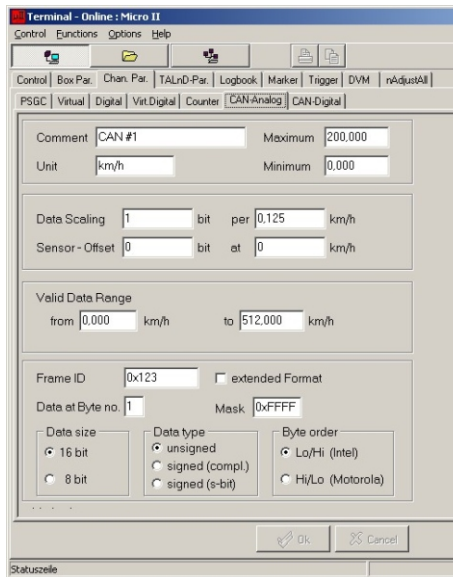
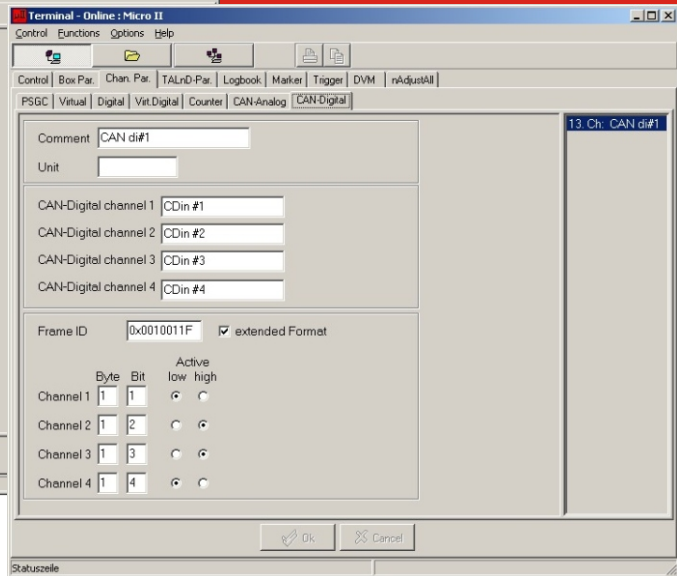


New Option



Screenshot CAN Analogue



Screenshot CAN Digital

Description of the CAN-Bus Option

The Controller Area Network (CAN) Bus interface is becoming more widely used - in particular, it has become an accepted standard within the automobile industry.

In response to this trend, a new CAN-Bus option is available for the MAS MICRO-II recorder. With this option the recorder connects to a CAN-Bus and allows extraction of almost all transmitted data. The MAS MICRO-II recorder is extended by up to 20 analogue channels and up to 4 groups of 4 digital CAN channels.

The analogue CAN channels are treated like any other real analogue channel of the recorder. They can be used as input for virtual channels (requires the software "Virtual Analogue Channel") and be analysed according to all available evaluation methods. Individual data bits can be masked off by a user defined bit mask. The digital channels are used to separate individual bits from the CAN data, which can be used as trigger for the TM-method, as control signal for TaLnD and as signal input of the virtual channels.

The CAN-Bus option is also available for the new MAS MATCH-II-ADV.

Main Specification of the CAN-Bus Option:

Hardware

- Baud rate 10kBaud 1MBaud and completely user defined timing
- Protocols CAN2.0A (standard message format)
CAN2.0B (extended message format)
- Hardware layer SO 11898 (-24V)

Software

- Number of CAN frames only limited by the number of channels
- Frame identifier standard or extended identifier, selectable for each channel
- Frame data maximum 8 Bytes
- CAN channels maximum 20 analogue data channels
maximum 4 groups of 4 digital channels each
- Data format (analog) 8 Bit or 16 Bit
signed or unsigned
INTEL or MOTOROLA (big/small endian)
- Response to failures Detection of range exceedance (adjustable for each CAN channel). Retains the last valid value
- Scanning rate up to 200Hz per channel
- Evaluation all analogue evaluation methods
(RF, TM, TaL, TaLnD, SQTMS)
and combinations
(RF+TM+ TaLnD, SQTMS+ TaLnD)
DT for digital channels
Virtual channels

Subject to technical alterations
(Rev. 1.0_080605)

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