

## Modular Concentration Monitor



- Transducer for evaluation of density, sound velocity,
- CO<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, turbidity, colour, conductivity, pH, etc.
- PLC compatible system for process control
- Analogue and digital inputs/outputs "on Board"
- Profibus DP and RS232/RS485 "on Board"
- Optional Profibus PA and Ethernet
- Display, 4x20 characters
- Modular and flexible expandable system



## Technical Data:

<b>Main memory:</b>	256 kByte SRAM
<b>Flash (intern):</b>	1,0 MB (BIOS/OS)
<b>Operating temp.:</b>	0 – 50 °C / 22 – 122 °F
<b>Enclosure rating:</b>	Front: IP65 acc. IEC 529
<b>Inputs, modular expandable:</b>	- 4x analog (0-20mA / +0/-10...+10V) - 16x digital (24 VDC)
<b>Outputs, modular expandable:</b>	- 4x analog (0-20mA / +0/-10...+10V) - 16x digital (24 VDC)
<b>Display:</b>	Graphic LC-Display 4x20 characters, back-lighted
<b>Interfaces:</b>	- Profibus DP - COM1 RS 232 - COM2 RS 232/485 - S7-300@-interface - others on request
<b>Power supply:</b>	24 VDC, others on request
<b>Dimensions:</b>	W x H x D: 225 x 128,5 x 49,4 mm
<b>Panel installation:</b>	W x H: 216,5 x 110,5 mm
<b>Weight:</b>	ca. 1,8 kg

The Modular Concentration Monitor MCM 34 is an innovative and universal transducer which monitors, evaluates and controls multiple types of measurement sensors. These measurement values can be viewed locally and process control initiated through analogue and digital inputs/outputs. Further communication can be done through Profibus interface, provided as an option, with existing interfaces allowing connection to a PC and printer. Control of the MCM 34 is done through menu driven screens via a membrane keypad. It can be expanded to increase the number of analogue and digital inputs/outputs at a later date. The MCM 34 is excellent suitable in combination with the complete Centec sensor program.

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