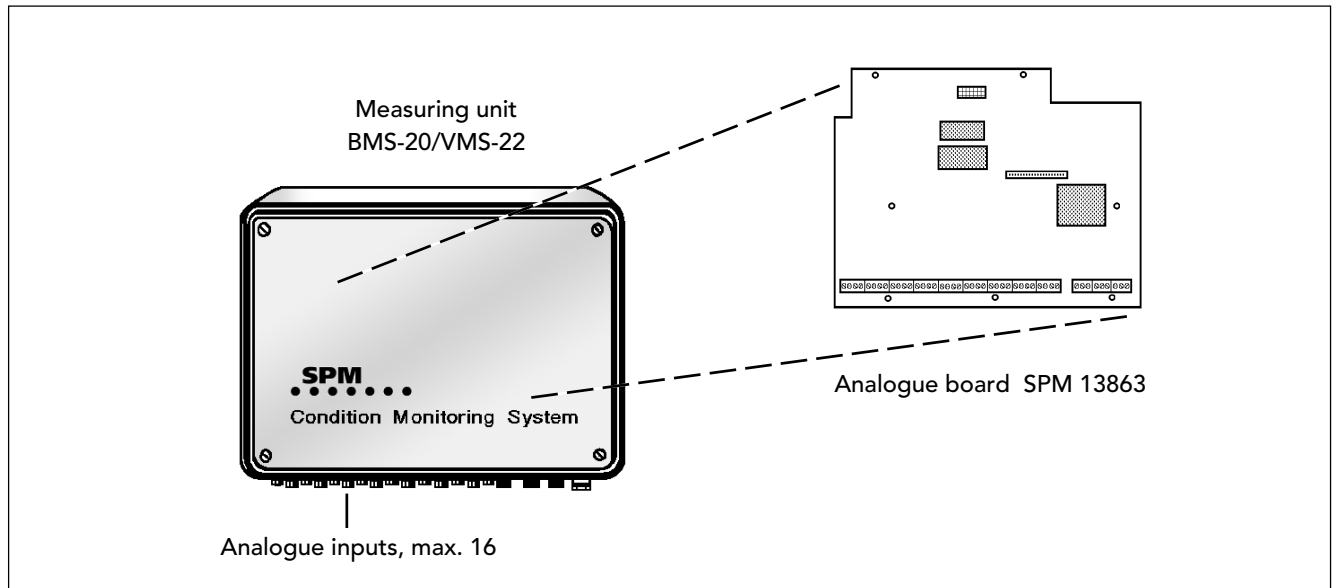


CMS: Analogue measuring



Measuring of analogue values

The task of the analogue measuring unit of the CMS system is to read measuring values from max. 16 input analogue channels. It is an independent unit, with exception of power supply, consisting of a circuit board which is mounted on top of the BMS or VMS board by means of a special installation set. The board is power supplied through the tag-strip of the BMS or VMS board. No power supply unit exists. Control program is SPM Condmaster® Pro.

Inputs

Only one of the input channels can be open at a time. Measuring times, measuring sequence and active channels are selected from the control program.

Filing data

During the set measuring time all active channels are scanned and measured max. number in increasing order followed by the next scanning a. s. o. The measuring takes approx. one second per channel. The max., min. or average measured value on each channel is saved.

Alarm limits

Each channel has min. and max. value respectively as alarm limit to be set from the control program. Alarm is released if these limits are passed. The relay of the SYS unit can then also be activated. The alarms can be tracked and analyzed from Condmaster® Pro.

Communications

The contact with the computer proceeds through the multiple serial transmission of the CMS system in one or two local area networks (LAN). Its shielded communication cable should be installed in a suitable electric environment.

Technical data and ordering numbers

Measurement unit BMS-20 with the analogue board SPM 13863 mounted has ordering number BMS-23. VMS-22 with analogue board installed has ordering number VMS-24.

Analogue board kit SPM 13864

13863	Analogue board (1)
12832	Spacer screws (7)
81166	O-ring (4)
82204	Cable inlet, nickel plated brass (4)
82221	Spacer screws (2)
82226	Screw M3 x 5 (7)
93174	Jumper (16)
71496	Mounting instruction
71497	Installation instruction (el)

NOTE! You can separately order cable inlets for the BMS-20 without pre-mounted analogue board :

82127	Cable inlet, grey GAP (4)
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Analogue board SPM 13863, data

Dimensions:	w x d x h = 236 x 133 x 32 mm
Channels:	16 galvanically separated analogue inputs with 2 screw connectors each
Temp. range:	0° - 55° C
Measuring range:	0 - 20 mA and 4 - 20 mA 0 - 1 V and 0 - 10 V
Measuring time for active channel:	1 - 42.5 min.

Parameters controlled from Condmaster® Pro

- Selection of active channels
- Tot. meas. time f. active channels (1 min. to 42.5 min.)
- Selection of values to be saved
- Setting of alarm limits (if used)
- Setting the real time watch.
- Setting of the measurement on and off

