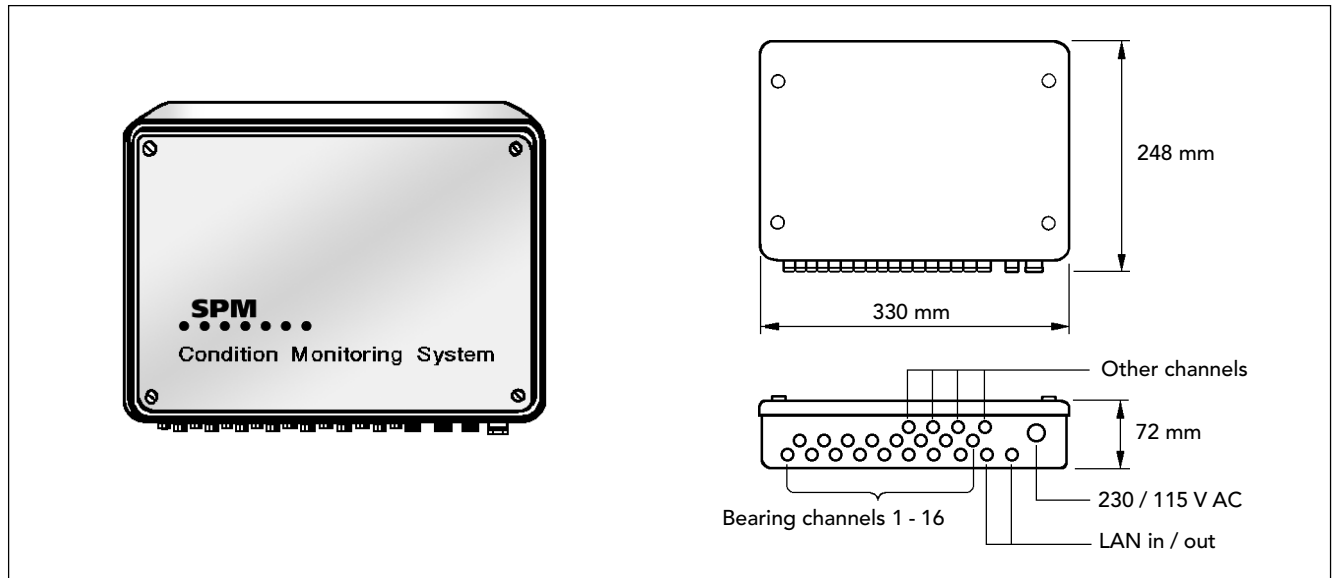


CMS System: Measuring Unit BMS



Bearing monitoring

Measuring unit BMS is a part of the CMS System for continuous bearing monitoring. A CMS System can contain up to 250 measuring units. The BMS unit accommodates up to 16 bearing monitoring channels and is operated under software control (SPM Condmaster®).

Each bearing monitoring channel is activated for a programmed interval (5 to 42 minutes). Readings are taken in a programmed sequence, which can comprise 50 channel numbers in any combination. The measuring unit stores up to 960 readings, i.e. min. 80 hours of readings. These are transferred to the PC for evaluation and display by Condmaster®.

The measuring unit is designed for wall mounting and has a stainless steel housing with neoprene gaskets. It is connected to 230 or 115 V AC (nominal voltage $\pm 10\%$, even load, no excessive spikes).

Via data cables, the measuring units are connected in series, forming one or two local area networks (LAN) connected to the system unit. The shielded data cable must be installed in a suitable electrical environment.

A BMS measuring unit can be equipped with extra circuit boards for measuring speed or analogue signals. They are specified on other data sheets, see under Ordering numbers.

Technical data

Measuring range:	LR / HR, -19 to 99 dB _{SV}
Inputs / outputs:	16 bearing monitoring channels, LAN in / out
Storage capacity:	960 readings
Dimensions:	330 x 248 x 72 mm
Weight:	4.5 kg
Housing:	Stainless steel, neoprene gaskets, IP 65
Cable inlets:	Nickel plated brass
Temperature:	0° to 55° C (32° to 130° F)
Mains supply :	230 or 115 V AC $\pm 10\%$, 10 VA
Data cable:	Shielded, 4 conductors twisted in pairs, area 0.22 mm ² each. Max. cable length between measuring units 1000 m

Ordering numbers

BMS-20	Measuring unit with 16 bearing channels
BMS-21	BMS unit with RPM board, see TD-41
BMS-23	BMS unit with AMS board, see TD-84
90220-L	Data cable, temperature -20° to +70°C, L = length in meters

