



## MBP 648 PZ

### condenser PZM

A pressure zone microphone as pressure gradient receiver is used more and more where a discrete recording is to be made in the highest quality. Direct sound is 3 dB more sensitive than diffused sound (due to pressure duplication the output voltage at a pressure zone greater than 1 m<sup>2</sup> is increased by 6 dB, the directional diagram is halved). Thanks to easy exchange of the capsules, the sound engineer has all application possibilities on hand. Using a hypercardioid capsule yields a remarkable range of results which are quite valuable for live broadcasting. Due to the remote impedance transformer, the PZM can use all MBHO capsules optimally and discretely. The microphone is mounted on a marble plate which has a non-slip pad at the back.



No. 92 - 6484

capsule	<b>KA 400</b>
characteristic	half cardioid
frequency response	80-20.000 Hz
sensitivity of field idling at 1 kΩ at 1 kHz	1,4 mV/μbar 14 mV/Pa
signal to noise ratio rated at 1 Pa. CCIR	74 dB
equivalent SPL rated at CCIR	20 dB
signal to noise ratio DIN / IEC rated at 1 Pa.	87 dB-A
equivalent SPL rated DIN / IEC A-rated	7 dB-A
max. spl at 1 kΩ	131 dB
sound source direction	axial
signal to noise ratio at DIN 45405	1,5 μV
phantom power / feed current	48 V / 1,7 mA
electrical impedance	200 Ω
plate size / weight	85 x 85 mm / 170g
connector	XLR

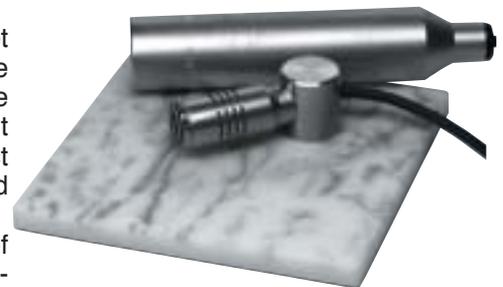
- Tip:  
live recording in AB technology at:
- opera houses
  - theatrical performances
  - orchestras
  - conferencing
  - broadcast
  - prof. recording

MBP 648 PZ  
MODULAR SYSTEM

## MBNM 620 PZ

### electret condenser PZM

The little sister of the MBP 648 PZ. This electret condenser microphone uses the same philosophy than the MBP 648. When the pressure zone is large enough, lowest frequencies are brilliantly reproduced. Direct sound is 3 dB more predominant than diffused sound and the directional diagram is halved. The electric parameters nearly reach those of true condenser microphones. So a very professional and inexpensive solution has been found. This microphone is also mounted on a marble plate which has a non-slip pad at the back.



No. 92 - 6200

pattern / sound source direction	halfcardioid / axial
signal to noise ratio DIN 45405	1,5 μV
phantom power / feed current	48 V / ca. 1,8 mA
frequency response	20 - 20.000 Hz
sensitivity of field idling at 1 kΩ at 1 kHz	1,2 mV/μbar 12 mV/Pa
signal to noise ratio rated at 1 Pa CCIR	67 dB
equivalent SPL rated at CCIR	27 dB
signal to noise ratio DIN / IEC	79 dB-A
equivalent SPL rated at DIN / IEC	15 dB-A
max. spl at 1 kΩ	133 dB
electrical impedance	200 Ω
connector/ size plate/ weight	XLR / 85 x 85 mm / 150 g

- Tip:  
live recording in AB technology at:
- opera houses
  - theatrical performances
  - orchestras
  - conferencing
  - broadcast
  - prof. recording

MBNM 620 PZ  
FIXED CAPSULE