

OLD MICROPHONE  
NO LONGER IN PRODUCTION

**MILAB**<sup>TM</sup>

# Condenser microphone VM-40 VM-41

Four-pos. ring switch omni/cardioid mike



## Features:

The VM-40 (omni-directional) and VM-41 (cardioid) condenser microphones are both for operation on 48 volt MIPOW<sup>TM</sup> system. Ruggedly constructed and small physical size, the VM-SERIES feature a unique four-position ring switch to permit selection of either full range frequency response or gentle roll-off from 1 kHz with 12 dB down at 50 Hz. A 10 dB pad is also incorporated for both full range and roll-off positions.

## Description:

- Circular single membrane full condenser capsule.
- Single FET pre-amplifier.
- Four-position ring switch built around two reed switches for full range or high-pass response with 10 dB pad.
- Rugged construction.
- Precision machined solid case.
- 3-pin XLR male connector at the base.

## Applications:

For all high quality professional uses, and particularly impressive on acoustic instruments, overhead percussion, cymbals, snare and brass. Recommended position of use is from about three inches to several feet from source depending on sound pressure levels and desired degree of natural ambience pick-up. May be used effectively as a podium/lecturn microphone for public address.

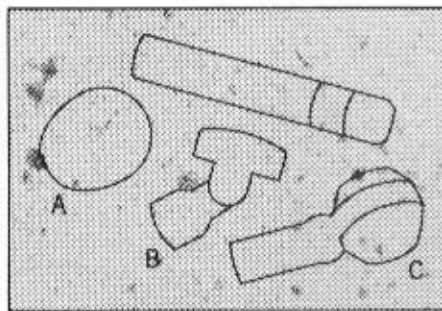


**Technical data:**

<b>Directional pattern</b>	VM-40 Omni-directional VM-41 Cardioid
<b>Operating principle</b>	One single membrane full condenser capsule
<b>Directivity index</b>	12–15 dB
<b>Frequency response</b>	30–20.000 Hz
<b>Sensitivity at 1 KHz with 10 dB pad (over 200 ohms re. 1 V.)</b>	–42 dB/Pa –52 dB/Pa
<b>Output at 1 KHz with 10 dB pad (over 200 ohms re. 1 V.)</b>	8.0 mV/Pa 2.5 mV/Pa
<b>Output at 1 kHz at max SPL (over 200 ohms re. 1 V.)</b>	300 mV
<b>Maximum SPL less than 1% dist. with 10 dB pad</b>	146 dB 155 dB

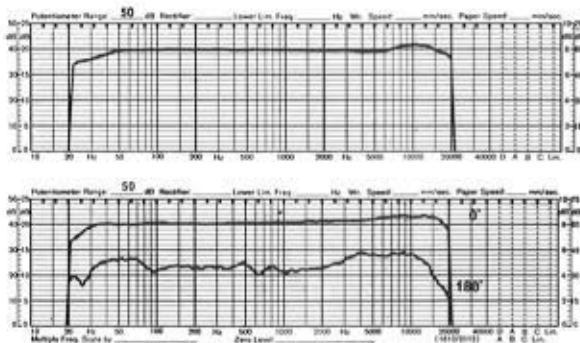
<b>Self noise A-weighted (re. <math>2 \times 10^{-5}</math> Pa)</b>	23 dB
<b>Dynamic range with 10 dB pad</b>	123 dB 132 dB
<b>S/N-ratio at 1 KHz A-weighted</b>	71 dB/Pa
<b>Output impedance (balanced)</b>	200 ohms
<b>Supply voltage</b>	MIPOW™ system
<b>Operating voltage</b>	40 to 54 volt (nominal +48 volt)
<b>Current consumption</b>	0.8 mA
<b>Connection</b>	XLR 3 pin
<b>Dimensions in millimeters</b>	135 long 19 diam.
<b>Weight in grams</b>	120
<b>Finish</b>	Satin Chrome

**Accessories:**

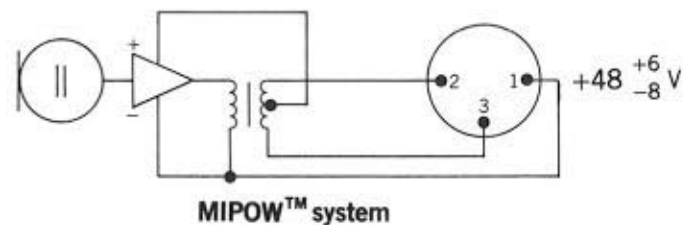
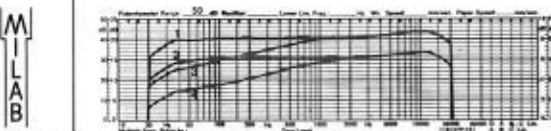
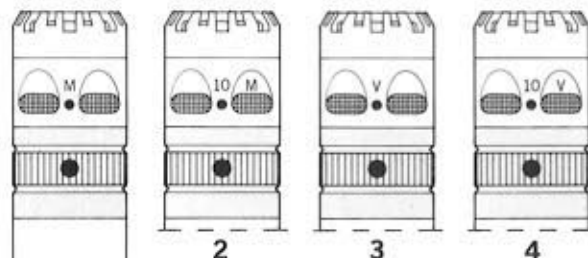
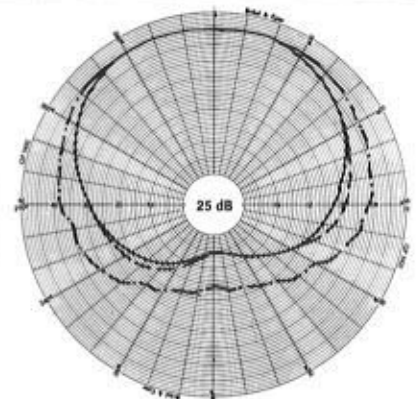


A Windscreen  
B Stand adaptor  
C Shockmount

Accessories and description	Type	Included	Optional
Microphone cable	3003 C	●	
Stand adaptor (5/8" x 27 TPI)	1930/18	●	
Shockmount (5/8" x 27 TPI)	1910/18		●
Windscreen (grey)	V-21	●	
Windscreen Colored (red, yellow, blue, green)	VR-21, VY-21 VB-21, VG-21		●
Mains power supply (110/220 VAC)	8320/S		●
Battery power supply	7325 C		●
Carrying case (mike only)	Case		●
Carrying case (complete)	Comp		●
Cardboard box		●	



Hz  
100–1000  
2000–8000  
12000



We reserve the right to alter specifications without notice.

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