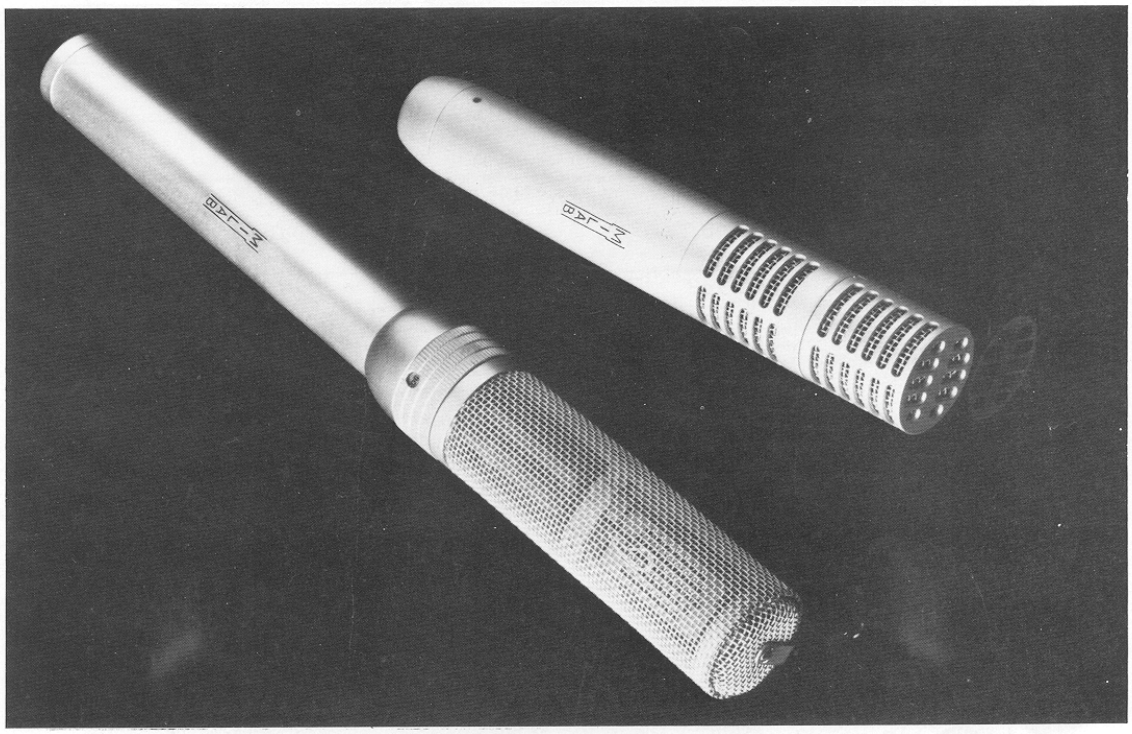
Milab

**OLD MICROPHONE,
NO LONGER IN PRODUCTION**

CONDENSER MICROPHONE MSXY-8 XY-8 XY-82

Stereo/mono condenser microphone



Description of the microphones

MSXY-8

- Two rectangular dual membrane variable remote controlled capsules of full condenser type.
- Extremely smooth on and off axis frequency response.
- Two separate FET pre-amplifiers.
- One capsule may rotate through 180 degrees.
- Two separate output signals from microphone and power/control unit.
- 200 ohms output impedance.
- Powering system: 120 VDC.
- Self noise: Less than 22 dBA.

XY-8

- Two rectangular dual membrane capsules of full condenser type in fixed cardioid pattern.
- Extremely smooth on and off axis frequency response.
- Two separate FET pre-amplifiers.
- One capsule may rotate through 180 degrees.
- Two separate output signals from the microphone.
- 200 ohms output impedance.
- Powering system: MIPOW
- Self noise: Less than 18 dBA.

XY-82

- Two single membrane capsules of condenser type in fixed cardioid pattern.
- Smooth on and off axis frequency response.
- Two separate FET pre-amplifiers.
- One capsule may rotate through 180 degrees.
- Two separate output signals from the microphone.
- 200 ohms output impedance.
- Powering system: MIPOW
- Self noise: Less than 16 dBA.

Milab Microphones AB
Norra Strandgatan 4
P.O Box 1342
S-25113 Helsingborg, Sweden

Telephone
Office + 46 42 38 16 20
Telefax
Office + 46 42 13 63 50

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Stereo/mono condenser microphone

Technical data:

Microphone	MSXY-8	XY-8	XY-82
Directional pattern	Variable	Fixed cardioid Variable	Fixed cardioid Variable
Operating principle	Two dual membrane of full condenser capsules	Two dual membrane of full condenser capsules	Two single membrane condenser capsules
Directivity index (alternative D)	18–20 dB 35–40 dB	18–20 dB 35–40 dB	15–18 dB 35–40 dB
Frequency response	20–20.000 Hz	20–20.000 Hz	20–20.000 Hz
Sensitivity at 1 KHz (over 200 ohms re. 1 V.)	–46 dB/Pa	–42 dB/Pa	–34 dB/Pa
Output at 1 KHz (over 200 ohms re. 1 V.)	5.0 mV/Pa	8.0 mV/Pa	20.0 mV/Pa
Output at 1 KHz at max SPL (over 200 ohms re. 1 V.)	300 mV	300 mV	300 mV
Maximum SPL less than 1 % dist.	150 dB	146 dB	138 dB
Self noise A-weighted (re. 2×10^{-5} Pa)	20 dB	18 dB	16 dB
Dynamic range	130 dB	128 dB	122 dB
S/N ratio at 1 KHz A-weighted	74 dB/Pa	76 dB/Pa	78 dB/Pa
Output impedance (balanced)	200 ohms	200 ohm	200 ohms
Supply voltage	120 volt via remote control unit 5815	MIPOW system (only one channel needs to be powered*)	MIPOW system (only one channel needs to be powered*)
Operating voltage	+120 volt	+48 $^{+6\text{ volt}}_{-8\text{ volt}}$	+24 to +54 volt (nominal +48 volt)
Current consumption	1.6 mA	1.6 mA	0.8 mA
Capsule suspension	Silicone rubber	Silicone rubber	Silicone rubber
Connection	Lemo 8 pin	XLR 5 pin male	XLR 5 pin male
Dimensions in millimeters	285 long 33/24 diam.	285 long 33/24 diam.	165 long 27 diam.
Weight in grams	485	485	270
Finish	Satin Chrome	Satin Chrome	Satin Chrome

* In this case the powered voltage will come out from the microphone on the other channel/signal.

Accessories:

Accessories and description	Type	Type	Type	Included	Included complete system	Optional
Microphone	MSXY-8	XY-8	XY-82			
Microphone cable (10 meters)	5808	3005	3005	●	●	
Signal cable (10 meters)	3005				●	
Stand adaptor (5/8"x27 TPI)	1930/24	1930/24	1930/27	●	●	
Shockmount (5/8"x27 TPI)	1910/24	1910/24	1910/27		●	●
Windscreen (grey)			V-82			●
Windscreen Colored (red, yellow, blue, green)			VC-82			●
Mains power supply (110/220 VAC)	5815	8320/S	8320/S		●	●
Battery power supply		7325/C	7325/C			●
Carrying case (mike only)	Case 8	Case 8	Case 63	●		
Carrying case (complete)	Comp 8	Comp 8	Comp 63		●	
Cardboard box						

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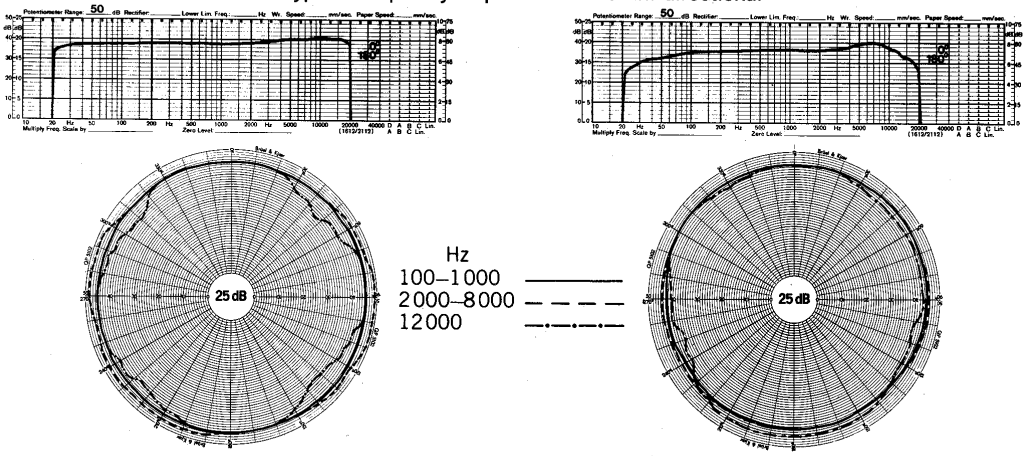
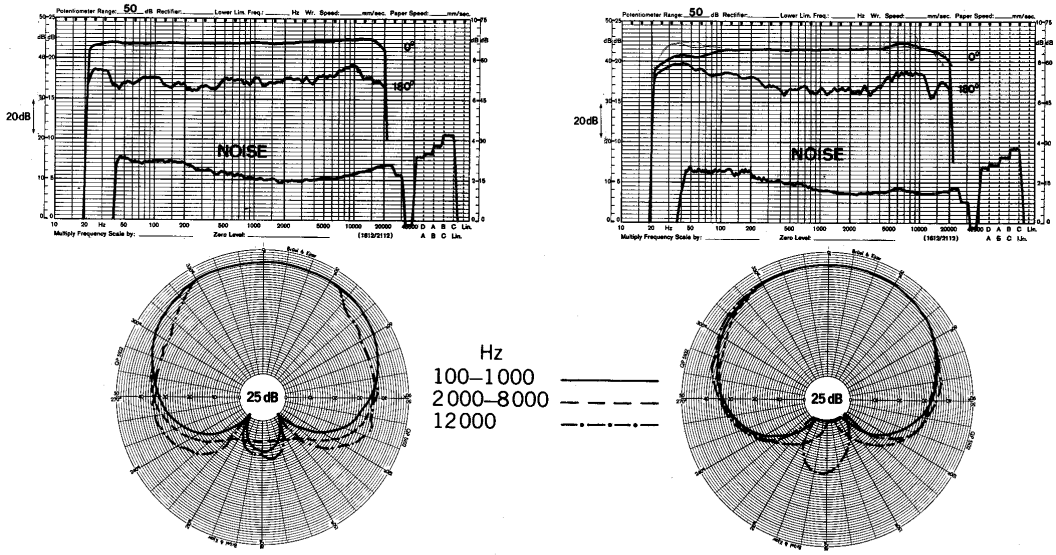
MSXY-8 and XY-8 **XY-82**

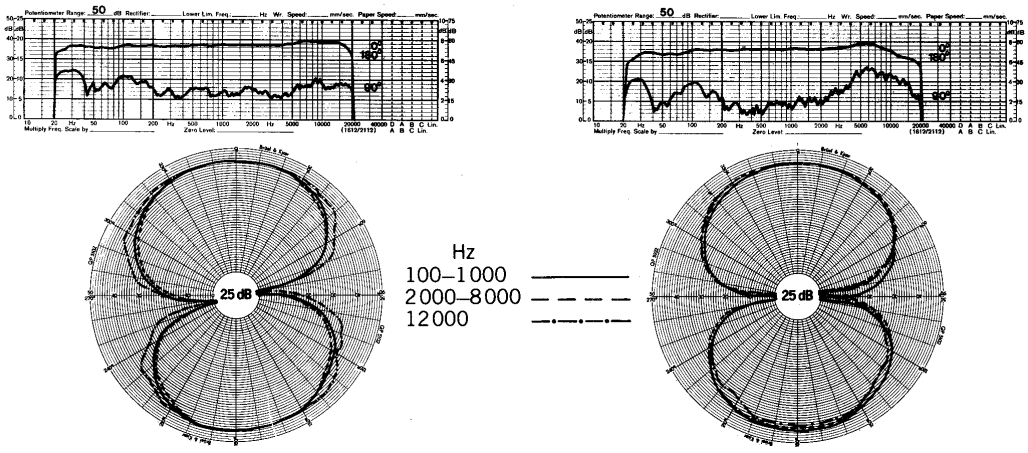
Typical frequency response curve Omni-directional



Typical frequency response curve Cardioid



Typical frequency response curve Bi-directional



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