

Vocals - a true challenge.

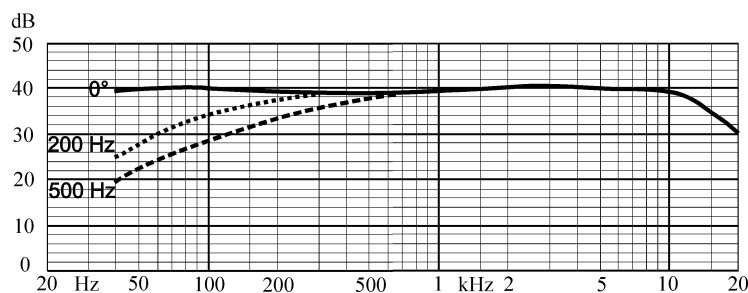
One of the most sophisticated vocal recording microphones ever made.

- **Transformerless**
- **Variable pattern**
- **200/500 Hz high pass filters**
- **-10/-20 dB pre-attenuation**
- **Rectangular large dual membrane capsule**

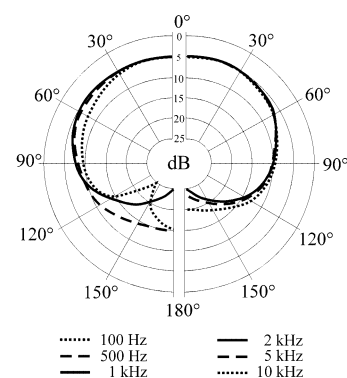
Frequency response	20-20 000 Hz ( See graph )
Polar patterns ( switchable )	Cardioid, Wide Cardioid, Hyper Cardioid Figure - 8, Omni
Filters (switchable )	200 Hz high pass 500 Hz high pass
Pre-attenuation ( switchable )	-10 dB -20 dB
Maximum SPL ( 1 % THD at 1 kHz )	112 dB with 10 dB pad 122 dB with 20 dB pad 132 dB
Sensitivity at 1 kHz	14 mV/Pa $\pm$ 1 dB
A-weighted noise level ( IEC 179-A )	$\leq$ 19 dB
Power supply	48 $\pm$ 4 V phantom
Current consumption	3,5 mA
Output impedance	< 200 $\Omega$
Minimum load impedance	1 k $\Omega$
Connection	3-pin XLR pin 1: earth ( Shield ) pin 2: plus ( Hot ) pin 3: minus ( Cold )
Net weight	400 g
Length	170 mm
With	47 mm
Thickness (max)	50 mm

### Frequency response (at 1m distance)

The frequency response may vary within  $\pm 2,5$  dB of the published graph.  
Before delivery, each microphone is measured and accompanied with it's own graph for the cardioid position.



### Polar diagram



### Milab Microphones AB

Mailing address  
P. O. Box 1342  
S-251 13 HELSINGBORG  
SWEDEN

Office address  
Norra Strandgatan 4

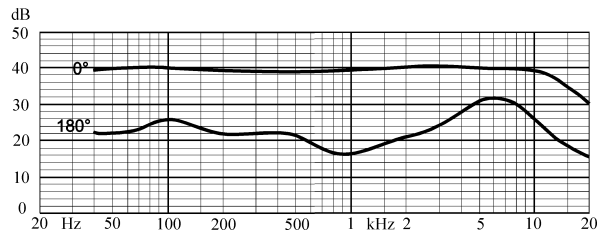
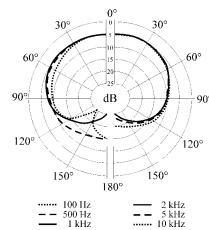
Phone  
+46 42 381620

Fax  
+46 42 136350

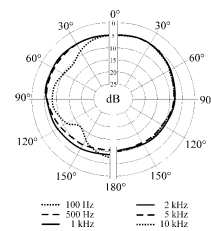
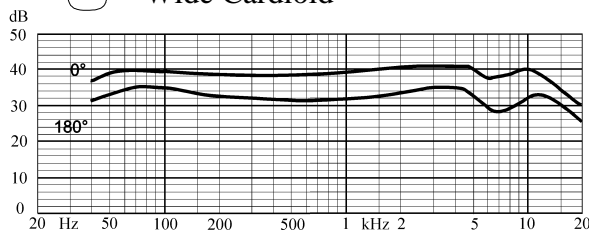
E-mail  
milab@milabmic.com  
Internet  
www.milabmic.com

Frequency response and polar diagram on the VIP-50 Microphone for different settings.

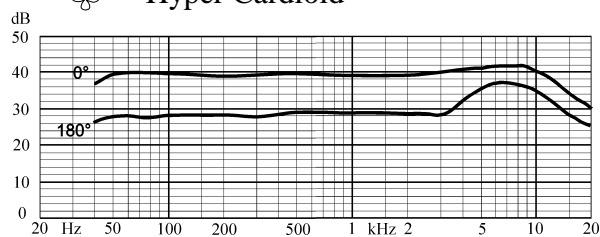
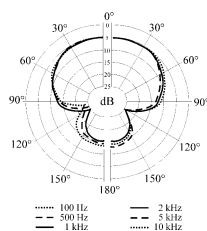
### Cardioid



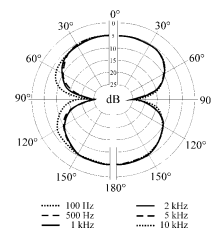
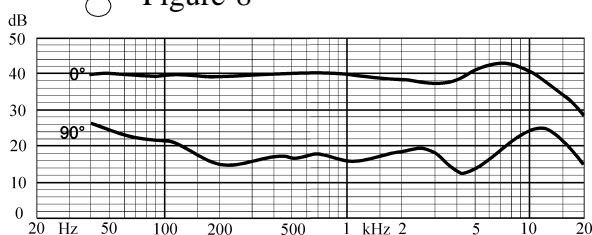
### Wide Cardioid



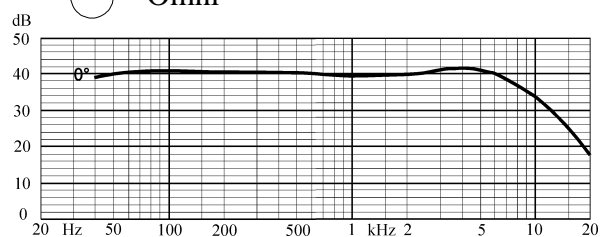
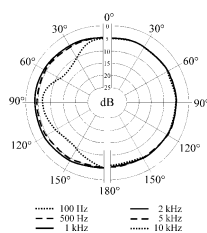
### Hyper Cardioid



### Figure-8



### Omni



### Milab Microphones AB

Mailing address  
P. O. Box 1342  
S-251 13 HELSINGBORG  
SWEDEN

Office address  
Norra Strandgatan 4

Phone  
+46 42 381620

Fax  
+46 42 136350

E-mail  
milab@milabmic.com  
Internet  
www.milabmic.com