



# M 380 N (C)

dynamic directional microphone

## ENGINEERING DATA

- Extremely insensitive to feedback
- Designed for transmission of high SPL
- Insensitive to structure-borne noise
- Equipped with hum compensation
- Robust zinc diecasting housing

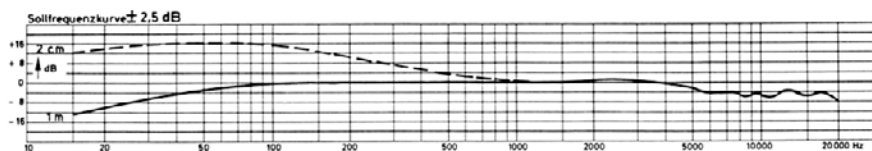
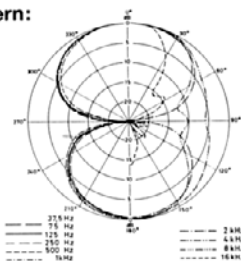


### Description and applications

The M 380 is especially qualified for the pick-up of instruments which create a high sound pressure so that transmission free from distortion is very difficult. For this reason and because of its frequency response reaching 15 Hz in the low frequencies the M 380 is especially suited for the pick-up of bassdrums because of its good bass response. The suspended system is insensitive to structure-borne noise and has a windscreen. Its bidirectional polar pattern avoids acoustic feedback. A zinc diecasting housing guarantees the mechanical stability of the M 380 which is necessary for stage performance. The M 380 is equipped with an effective humming compensation in order to avoid interference of magnetic fields which can be caused by the stage equipment.

Due to its particular characteristics we recommend to use the M 380, besides the pick-up of bassdrums, also for instruments like double bass, tuba, trombone, sousaphone and for the loudspeaker pick-up of E-bass guitars.

### Polar pattern:



This polar pattern and frequency response curve correspond to typical machine run specifications from a standard M 380.

### SPECIFICATIONS

Operating principle:	pressure gradient
Frequency response:	15 – 20 000 Hz
Polar pattern:	Figure 8
Sensitivity at 1 KHz (0 dBV $\Delta$ 1 V/Pa):	5 mV/Pa $\Delta$ – 46 dBV
Max. SPL at k < 0.5% at 1 KHz:	140 dB
Nominal impedance:	600 ohms
Rated load impedance:	> 1000 ohms
Hum compensation:	> 20 dB at 50 Hz
Diaphragm:	Mylar®
Housing:	zinc-diecasting
Surface:	antique bronze, brushed
Weight:	370 g
Connection:	3-pole Cannon plug, XLR or equivalent

### OPTIONAL ACCESSORIES

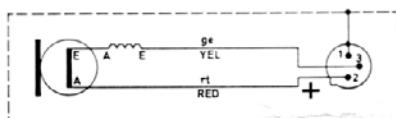
Cable:	MVK N(C), 7.5 m (same as MVK N(C)-K), but without connector at the equipment end of the cable. For other connecting/extension cables please inquire or see our general catalogue
Floor stands:	ST 201/1, ST 201 A/1, ST 251 + boom Sch 211
Adapter:	MZS N(C)-N (plug-in type to adapt male Cannon XLR type connector to a 3-pin DIN connector)
High quality transformers to connect low impedance lines to high impedance inputs or vice versa	TR/BV 345 007.035/C-K/5-cable transformer, length of cable 5 m, turns ratio 1:7, impedance 600/30 k ohms. Low impedance side – professional three-pin female audio connector, high impedance side – standard 6.35 mm (1/4 in.) phone plug. TR/BV 341 007.035/C-C, plug-in transformer, turns ratio 1:7, impedance 600/30 k ohms, input professional three-pin female audio connector, output three-pin male audio connector (male and female connector to mate with Cannon XLR series or equivalent. For other transformers (e.g. different turns-ratio, DIN connectors) please inquire or see general catalogue.

### FURNISHED ACCESSORIES\*\*

Carrying case:	brown leatherette bag
Swivel adapter:	MKV 8 with 5/8" internal thread and 3/8" adapter

### WIRING DIAGRAM

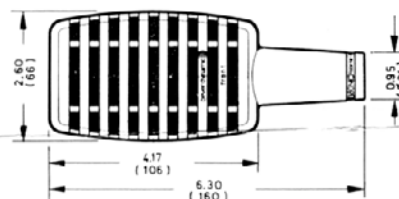
M 380 N (C)



Positive pressure produces positive voltage at (+) pin.

### DIMENSIONS

in inches (millimeters in brackets)



### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The M 380 N(C) is a dynamic directional microphone, qualified for high sound pressure levels with a frequency response of 15 – 20 000 Hz and polar pattern figure 8. The microphone has an internal resistance of 600 ohms and a sensitivity of 5 mV/Pa. It has a zinc-diecasting housing, antique bronze, brushed. The microphone is 160 mm long, 66 mm wide and 60 mm high. It is equipped with a 3-pole Cannon plug or equivalent. The beyerdynamic model M 380 is specified.

distributed by:

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