

Studiomaster®  
PROFESSIONAL

## TRIO 100



**Pack of 3 SM100XLR Dynamic Microphones**

## **Features**

- Pack of 3 SM100XLR Dynamic Microphones.
- Designed for Speech, Singing and General purpose vocal pick-ups.
- Frequency response designed for vocals.
- Dynamic cardioid pickup pattern minimizes off-axis pick-up, reduced feedback and higher system gain.
- Suspended cartridge shock-mount system, to minimize handling noise.
- Low-failure magnetic on-off switch.
- Rugged body and dent-proof steel grill, that withstands, physical shocks.
- Supplied with a 180° swivel break-resistant clamp-type stand adapter.
- Supplied in a rugged plastic storage case.

## **Product Components**

1. SM100XLR (Microphone).....x3
2. Microphone Clamp.....x3
3. Plastic Carry Case.....x1

## **Safety Information**

- Protect the microphone from moisture, liquids, fire and sudden impacts. Exposing it to such elements could damage the microphone.
- Do not blow into the microphone to test/check the same. It is advisable to carry out a speech trial.
- When using wired microphones always ensure that the microphone cable is laid so that it does not present a hazard.

## **Maintenance**

For cleaning the microphone body and basket use a soft, damp cloth. If necessary use a mild cleansing agent. No solvent agents should be used. Take care not to allow any water into the microphone.

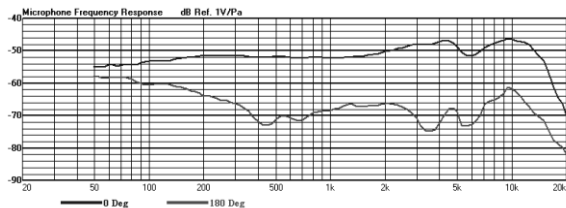
## **Service**

In the unlikely event of equipment failure, kindly contact your Studiomaster Professional dealer.

## SM 100XLR

### Measurement 1 : Frequency Response

X : 1000 Hz    Y : -52.2 dBV/Pa    Y : -68.3 dBV/Pa  
Y : -50.0 dBm/Pa    Y : -66.1 dBm/Pa  
D : 0.0 dB    D : 0.0 dB  
Z : -16.0 dB



Model : SM 100XLR  
Source Level : 0.1 Pa

Measure Distance : 50 cm  
Test Instruments : Brüel & Kjær 2012 & 9640



## SM 100XLR

### Measurement 2 : Polar Pattern

Microphone Directional Characteristic

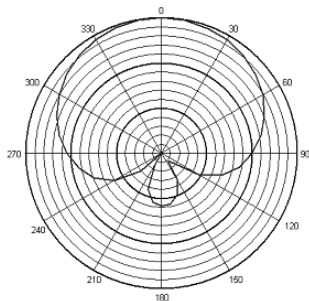
Type: SM100XLR

Top Level : -52.8 dB

Range : 30 dB

Frequency : 1000 Hz

Source Level : 0.1 Pa



Measure Distance : 50 cm  
Test Instruments : Brüel & Kjær 2012 & 9640



## Technical Specifications

| MODEL                | TRIO (Pack of 3 SM100XLR)     |
|----------------------|-------------------------------|
| Transducer type      | Dynamic                       |
| Frequency response   | 50Hz-11KHz                    |
| Polar pattern        | Cardiod                       |
| Sensitivity          | -62+/-3db                     |
| Nominal impedance    | 600 $\Omega$                  |
| Connection           | 3-pin XLR male                |
| Dimensions Length    | 126.4mm                       |
| Shaft diameter       | 34.5mm                        |
| Head diameter        | 55.6mm                        |
| Weight without cable | 247.2gms                      |
| Accessories included | mic clip, cable, plastic case |

\*Design and specification are subject to change without notice

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