

# WL18XM LOW-PROFILE LAVALIER MICROPHONES

## OVERVIEW

Shure WL185m, WL184m, and WL183m are professional low-profile lavalier microphones for use with compatible wireless bodypack transmitters. 8 mm shorter than their predecessors, the WL185m, WL184m, and WL183m lavaliers deliver full and accurate sound quality with an improved presence response that reproduces crystal clear vocals. For flexible placement on speakers, presenters, and performers, each lavalier is available in either black or white with LEMO or TA4F connector options, and the innovative tie clip can be rotated in 90° intervals for accurate positioning. Shure WL185m, WL184m, and WL183m professional lavaliers include a snap-fit windscreen, single tie clip, and zippered bag for storage and transport.

## FEATURES

- Professional low-profile lavalier condenser microphones
- Cardioid (WL185m), Supercardioid (WL184m), and Omnidirectional (WL183m) polar pattern options
- 8 mm shorter than original WL18X series
- Higher dynamic range with improved max SPL, self-noise, and general sound quality when compared to original WL18X series
- Available in either black or white colors to suit various situations
- Available in either TA4F or LEMO connector options
- Ships with lavalier, tie clip, snap-fit foam windscreen, and zippered storage bag

## SPECIFICATIONS

(SUBJECT TO CHANGE)

	WL185m	WL184m	WL183m
<b>Microphone Capsule</b>	Condenser	Condenser	Condenser
<b>Polar Pattern</b>	Cardioid	Supercardioid	Omnidirectional
<b>Frequency Response</b>	70 Hz – 20 kHz	70 Hz – 20 kHz	70 Hz – 20 kHz
<b>Sensitivity 1 Pa = 94 dB SPL</b>	-43.0 dBV/Pa (TA4F) -37.0 dBV/Pa (LEMO)	-47.0 dBV/Pa (TA4F) -41.0 dBV/Pa (LEMO)	-44.0 dBV/Pa (TA4F) -39.0 dBV/Pa (LEMO)
<b>Self-Noise A-Weighted, Equivalent Acoustical</b>	20 dB SPL (TA4F) 19.5 dB SPL (LEMO)	23 dB SPL (TA4F) 24 dB SPL (LEMO)	20 dB SPL (TA4F) 22 dB SPL (LEMO)
<b>Signal-to-Noise Ratio (Using RPM400 Preamp)</b>	74.0 dB (TA4F) 74.5 dB (LEMO)	71.0 dB (TA4F) 70.0 dB (LEMO)	74.1 dB (TA4F) 72.0 dB (LEMO)
<b>Maximum SPL (1% THD)</b>	140.5 dB SPL (TA4F) 134 dB SPL (LEMO)	144 dB SPL (TA4F) 138 dB SPL (LEMO)	141 dB SPL (TA4F) 133.5 dB SPL (LEMO)
<b>Dynamic Range</b>	120.5 dB (TA4F) 114.5 dB (LEMO)	121 dB (TA4F) 114 dB (LEMO)	121 dB (TA4F) 111.5 dB (LEMO)
<b>Microphone Current Draw</b>	140-240 µA	140-240 µA	140-240 µA
<b>Bias Voltage Recommended Operating Voltage</b>	5 VDC Bias	5 VDC Bias	5 VDC Bias
<b>Polarity</b>	Positive pressure produces positive voltage on pin 3 with respect to pin 1	Positive pressure produces positive voltage on pin 3 with respect to pin 1	Positive pressure produces positive voltage on pin 3 with respect to pin 1
<b>Housing</b>	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
<b>Cable Diameter</b>	2.2 mm	2.2 mm	2.2 mm
<b>Cable Length</b>	48.5" (1.23 m)	48.5" (1.23 m)	48.5" (1.23 m)
<b>Net Weight w/Cable</b>	20.0 g (.71 oz)	20.0 g (.71 oz)	20.0 g (.71 oz)
<b>Capsule Dimensions (L x D)</b>	13.55 mm x 12.74 mm	13.55 mm x 12.74 mm	13.55 mm x 12.74 mm



**WL185M**  
Cardioid Low-Profile  
Lavalier Microphone (Black)



**WL184M**  
Supercardioid Low-Profile  
Lavalier Microphone (White)



**WL183M**  
Omnidirectional Low-Profile  
Lavalier Microphone (Black)

# WL18XM LOW-PROFILE LAVALIER MICROPHONES

## FURNISHED ACCESSORIES

- Single Tie Clip
- Snap-fit Windscreen
- Zippered Storage Bag



## REPLACEMENT ACCESSORIES

RK187T1-B	Single Tie Clip, Black, Qty. 2
RK187T2-B	Dual Tie Clip, Black, Qty. 2
RK187T1-W	Single Tie Clip, White, Qty. 2
RK187T2-W	Dual Tie Clip, White, Qty. 2
RK187WS-B	Snap-Fit Windscreen, Black, Qty. 4
RK187WS-W	Snap Fit Windscreen, White Qty. 4

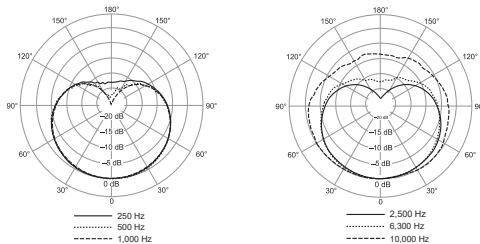


## AVAILABLE MODELS

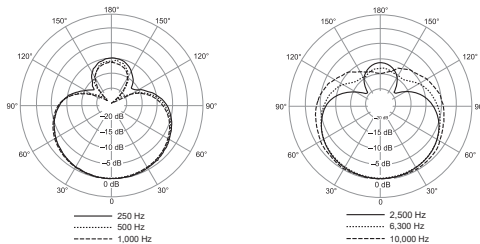
WL185MB/C-TQG	WL185m Cardioid Lavalier Mic, TA4F Connector (Black)	WL184MB/S-TQG	WL184m Cardioid Lavalier Mic, TA4F Connector (Black)	WL183MB/O-TQG	WL183m Cardioid Lavalier Mic, TA4F Connector (Black)
WL185MB/C-LM3	WL185m Cardioid Lavalier Mic, LEMO Connector (Black)	WL184MB/S-LM3	WL184m Cardioid Lavalier Mic, LEMO Connector (Black)	WL183MB/O-LM3	WL183m Cardioid Lavalier Mic, LEMO Connector (Black)
WL185MW/C-TQG	WL185m Cardioid Lavalier Mic, TA4F Connector (White)	WL184MW/S-TQG	WL184m Cardioid Lavalier Mic, TA4F Connector (White)	WL183MW/O-TQG	WL183m Cardioid Lavalier Mic, TA4F Connector (White)
WL185MW/C-LM3	WL185m Cardioid Lavalier Mic, LEMO Connector (White)	WL184MW/S-LM	WL184m Cardioid Lavalier Mic, LEMO Connector (White)	WL183MW/O-LM3	WL183m Cardioid Lavalier Mic, LEMO Connector (White)

## POLAR PATTERNS

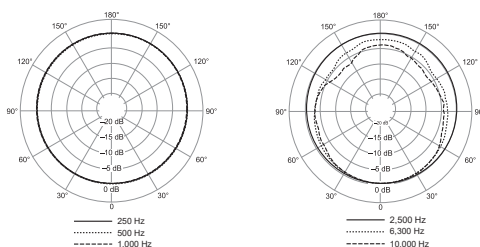
WL185m



WL184m



WL183m



## FREQUENCY RESPONSE

