

WME 980

Weatherproof Microphone Unit

sound incidence
vertical to the microphone axis

- 20 Hz to 20 kHz
- 15 dBA to 146 dB
- LEMO® ERD.2S.306
- Power supply: 6 V DC to 25 V DC
- remote calibration
with electrostatic actuator



The WME 980 is a weatherproof microphone system for long-term outdoor measurement, stationary and mobile noise control and the analysis of environmental and traffic noise. It consists of the MKS 221 1/2" measurement microphone capsule, MV 203.3 1/2" measurement microphone pre-amplifier, TA 202 dehumidifier, RS 98 rain and dust shield, VW 98 windshield with bird spike and the VM 960 supply module including calibration generator. The WME 980 is equipped with a remotely switchable calibration generator,

a switchable cable driver and a switchable heater resistor to prevent possible condensation under extreme climatic conditions. The calibration generator injects a sinusoidal signal into the measurement microphone capsule via an electrostatic actuator. The weatherproof microphone system can be calibrated with standard sound calibrators or the Pistonphone type 5002. The WME 980 is designed for Type 1 sound level meters according to IEC 61672.

Delivery

in aluminium suitcase 450 mm x 365 mm x 160 mm

stainless steel

order number: 315061



Accessories

Dehumidifier adapter 1/2"	TA 202	order number: 302314
Measuring capacitor for 1/2" microphone capsules	K 65	order number: 302307
Connecting cable for WME 980, length 5 m, LEMO®PCA.2S.306 to FFP.2S.306	C 98.05	order number: 302248
Connecting cable for WME 980, length 10 m, LEMO®PCA.2S.306 to FFP.2S.306	C 98.1	order number: 302249
Connecting cable for WME 980, length 20 m, LEMO®PCA.2S.306 to FFP.2S.306	C 98.2	order number: 302250
Rainshield for WME 980	RS 98	order number: 305050
Windscreen with birdspikes for WME 980	VW 98	order number: 305051
Windscreen for WME 980	W 94	order number: 302331
Adapter G 1,5" to G 1"		order number: 307007
Adapter G 1,5" to 3/8"		order number: 307008

Technical Specifications

Measurement microphone preamplifier		MV 203.3
Measurement microphone capsule		MKS 221
Sensitivity		50 mV/Pa
Polarisation voltage		200 V
Power supply		6 V DC to 25 V DC
Max. power consumption		1.3 W
Max. SPL at 1 kHz	for 3% THD	146 dB
Inherent noise with MV 203.3	A-weighted	15 dB
Max. output voltage	with UB = 120 V	33 Vrms
Gain at 1 kHz	C = 22 nF	±0.5 dB
Output impedance	cable driver off	≤80 Ohm
Plug		LEMO®ERD.2S.306
Connecting thread		G 1.5"
Diameter		40 mm
Length		585 mm
Weight		1500 g

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