

# WME 980 AM

## Weatherproof Microphone Unit

sound incidence  
vertical to the microphone axis

- 20 Hz to 20 kHz
- 15 dBA to 149 dB
- LEMO® ERD.2S.306
- Power supply: 6 V DC to 25 V DC
- remote calibration  
with electrostatic actuator



The WME 980 AM is a weatherproof microphone unit for permanent outdoor measurement as well as stationary or mobile airport noise monitoring. The housing is made of stainless steel and is equipped with a bird spike, windscreen and rain shield. Inside the housing are easily exchangeable dehumidifier bags with silica gel and an easily exchangeable dehumidifier adapter TA 202 L with a humidity indicator window is part of the measurement microphone. The weatherproof microphone unit has a pole adapter with a G 1.5" thread for installation. A tripod adapter or G 1" thread adapter can be screwed directly to the pole adapter.

The output connector is located well-protected at the lower end of the housing under the pole adapter. The weatherproof microphone unit can be calibrated with standard 1/2" sound calibrators. For remote calibration, a remotely switchable, built-in calibration generator feeds a 1 kHz calibration signal into the measurement microphone via an electrostatic actuator. Inside the housing there are switches for the cable driver and the microphone heater, which prevents condensation under extreme climatic conditions. The weatherproof microphone unit is suitable for sound level meters of Type 1 acc. IEC 61672.

### Delivery

Weatherproof Microphone Unit  
with adapter G 1.5" to 3/8" and hook wrench 45-50 mm  
in aluminium case 450 mm x 365 mm x 160 mm

WME 980 AM

315061



## Options and Accessories

Dehumidifier adapter 1/2"	TA 202 L	302349
Measurement capacitor for 1/2" microphone capsules	K 65	302307
Cable for WME 980, length: 5 m LEMO® PCA.2S.306 to FFP.2S.306	C 98.05	302248
Cable for WME 980, length: 10 m LEMO® PCA.2S.306 to FFP.2S.306	C 98.1	302249
Cable for WME 980, length: 20 m LEMO® PCA.2S.306 to FFP.2S.306	C 98.2	302250
Rain shield for WME 980 AM	RS 98 AM	305050
Windscreen with birdspikes for WME 980	VW 98	305051
Windscreen for WME 980	W 94	302331
Hook wrench for WME 980 45-50 mm, A020		600224
Adapter G 1.5" to G 1"		307007
Adapter G 1.5" to 3/8"		307008
Accredited calibration	K-MM-EA-PK Kalibrator	451003

## Technical Specifications

Microphone capsule		MKS 221
Microphone preamplifier		MV 203.3
Frequency range zero degree incidence		10 Hz to 20 kHz
Sensitivity		50 mV/Pa
Sensitivity	re 1 V/Pa	-26 dB ±1,5 dB
Max. SPL for 3% THD at 1 kHz	Peak RMS	149 dB 146 dB
Inherent noise		15 dBA
Power supply		6 V DC to 25 V DC
Max. power consumption		1.3 W
Max. output voltage		33 Veff
Output impedance	cable driver switched OFF	≤80 Ohm
Temperature range, operation		-40 °C to +70 °C
Temperature range, storage		-40 °C to +80 °C
Humidity limits		r.H. <100%, non condensing
Plug		LEMO® ERD.2S.306
Connection thread		G 1.5"
Diameter		40 mm
Length		585 mm
Weight		1500 g

**Microtech Gefell GmbH · Georg-Neumann-Platz · 07926 Gefell · Germany**

Phone +49 (0)36649 882-0 · Fax +49 (0)36649 882-11 · [www.microtechgefell.de](http://www.microtechgefell.de) · [info@microtechgefell.de](mailto:info@microtechgefell.de)