



AS11 Selective Monitoring Microphone

AS11 selective monitoring microphone

The monitoring probe AS11 is a handy device which is designed to detect and subjectively evaluate airborne sound signals. It has a 30cm long flexible directional microphone. Headphones are connected to the output jack on the rear. Power is supplied from an internal rechargeable battery, which is located in the hand grip. The rechargeable battery is accessible and can easily be changed by unscrewing the rear tube of the grab handle. Amplifier and filter is integrated into the hand grip. There is only one single cable connection between microphone and headphones! This makes the device a fully integrated one hand operation detector.

After switching on, the green power LED indicates full battery charge. Below 3,5 volts, the brightness decreases very rapidly and at 3 volts it lights only extremely weak indicating the need for recharging or exchanging the battery pack.

There are 2 amplifier gain ranges; 30 and 60 dB. The volume on the headphones is adjusted with the integrated pot on the control panel (11 positions).

With the second pot on the control panel, the center frequency for the 1/3rd octave or 1/1 octave band pass filter could be selected between 31Hz and 8.000Hz. The filtered signal then is amplified by 20dB. Signals, recorded by the directive microphone, are filtered and amplified on the headphones. The output jack allows connection to other signal analyzers or recorders. This signal is equal to the headphone signal.

The Selective Monitoring Microphone AS11 offers:

- Robust, flexible directional microphone
- Headphone amplifier
- Working with internal battery
- One-hand operation
- Tunable 1/3rd and 1 octave band pass filter

Application

- Airborne noise measurements
- Machine diagnostics
- Sound source localization
- Leakage detection

TECHNICAL DATA:

Frequency range of microphone:	30 Hz - 18 kHz
Max. output voltage:	4 Vpp
Distortion:	<1% at 1 kHz und 4 Vpp
Power supply:	4,8V rech. battery, operating 10 h
Dimensions (DxL):	35Ø x 550 mm
Weight incl. battery:	350 gr