

## Compact Laser Microphone (3101)



Laser Listening System

The Compact Laser Microphone has to be used when access to a room is otherwise impossible. The laser transmitter, with its beam being in the invisible infrared waveband, has to be directed to a window of the room to be monitored. A portion of the laser beam will be reflected by the window pane. The receiving part of the compact Laser Microphone picks up the reflected laser and converts it into pulses which, after filtering, are amplified and fed into headphones and/or recording devices.

The Compact Laser Microphone can listen to the sounds from long distance up to 1KM Line of Sight from a Focused Window.

The Compact Laser Microphone has more function, it has a built in optical image stabilizer for high immunity against vibrations. It also has a special high powered lens from Japan 680-750mm Filters for Cancellation of Ambient Optical Noise. The laser transmitter and receiver are built in a special splash-proof mono block, allowing the system to be operated in inclement weather conditions. The state-of-the-art semiconductor laser is extremely mechanically robust and, due to its low power consumption, a running time of approximately 70 hours can be achieved by each battery set. The weight of the Total system including Tripod, Batter with packaging is approximately 15 KG.

The Compact Laser Microphone is a standalone unit and can be hand held and placed in a tripod.

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## **Specifications:**

Laser Type: PIN-Diode Array

Wave Length: 750nm

Lens: 500 mm Double Reflex

Power Supply: 12 V Block Battery

Battery Life: 15-50 hours (depending on the adjusted volume) Current Consumption: 100 - 300 mA

Amplifier

Amplifier unit: Digital Laser Receiver Amplifier

Amplification: adjustable Connections: Headphone, Speaker Voice Filter:  
Digital Equalizer  
Voice Recorder: No

Mechanical Dimensions: 645 x 400 x 295mm

Weight: 15 kg without batteries and tripods

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