

PRASAR BHARATI
 BROADCASTING CORPORATION OF INDIA
 DOORDARSHAN KENDRA,
 DOORDARSHAN BHAWAN PHASE-II
 NEW DELHI

Technical Specifications for Broadcast Quality Wired Lavalier (Lapel) Microphones

Specs No.: DDK_DLH_SPECS_LAPEL_MIC_03-11 dated 5.1.2011

1. **Scope:** The following specifications lay down the performance measurement of broadcast quality ultra miniature lavalier microphones for TV studio/ENG applications.
2. **General & Technical Specifications:** The offered microphones are required to be used in TV studios, ENG and similar other applications and therefore the offered microphones should be of extremely high quality and should also be miniature in size. The offered microphones should be from reputed manufacturers. The offered microphones should be immune to Radio Frequency Interference.

1.	Directivity	:	Omni directional
2.	Transducer	:	Self polarized condenser or similar
3.	Diaphragm	:	Vertical design
4.	Frequency Range	:	70 Hz to 20 KHz or better
5.	Sensitivity	:	15 mv/Pa or better (Nominal at 1 KHz)
6.	Max SPL	:	125 dB or better
7.	Output Impedence	:	Approx. 175 Ohm
8.	Dimension	:	4 mm or smaller diameter, approx. 16 mm length
9.	Powering	:	Phantom powered (+48 Volt)
10.	Connector	:	3-pin XLR

3. **Accessories:** The equipment should be supplied with all associated accessories including holder clip, metal windscreen, and rubber mount etc. The supplier has to ensure the completeness of the system.
4. **Warranty:** The offered microphones should have two years warranty.