

RE50N/D-L



Electro-Voice

- Powerful Electro-Voice neodymium (N/DYM) magnet results in greater output than with standard alnico magnets
- DynaDamp shock-isolation system for low handling noise
- Rugged design
- Finished in semigloss “camera” black
- Comes complete with stand clamp and vinyl pouch



The Electro-Voice RE50N/D-L shock-mounted, dynamic omnidirectional microphone is an offspring of the legendary RE50 microphone. Built with the same rugged design as the RE50, the RE50N/D-L features a DynaDamp shock mount for greater ruggedness and isolation, and a new neodymium N/DYM magnet structure to provide increased sensitivity required in exacting professional applications. Ideally suited for handheld broadcast and sound reinforcement applications, the RE50N/D-L has been built for superior isolation from mechanically induced noise. Handling noise, clothing noise, and even cord shock are isolated from the microphone element. Within the microphone’s machined-aluminum outercasing, a DynaDamp shock mount (manufactured using an advanced vibration-isolation material) surrounds the highmass internal acoustic chamber and microphone element, resulting in a degree of isolation unprecedented in an omnidirectional dynamic microphone. The transducer is protected through a unique interlocking concept, making the RE50N/D-L practically indestructible with normal use. The transducer, fitted within a high-mass internal case, is shock-isolated within an attractive external case, therefore protecting the transducer from sudden shock. The microphone’s diaphragm permits a very smooth response over a wide frequency range, yet it withstands high humidity and temperature extremes, corrosive effects of salt air and severe mechanical shocks. The diaphragm is protected from dust and magnetic particles by a carefully designed integral windscreen and blast filter which also provides

excellent protection from wind noise, excessive sibilance and annoying “P-popping.” The microphone’s Memreflex grille is designed to bounce back to its original shape when bumped or dropped. The RE50N/D-L in “camera” black is ideal for “on-camera” use. The microphone is supplied with the 323S (black) stand adapter and a zippered vinyl carrying pouch.

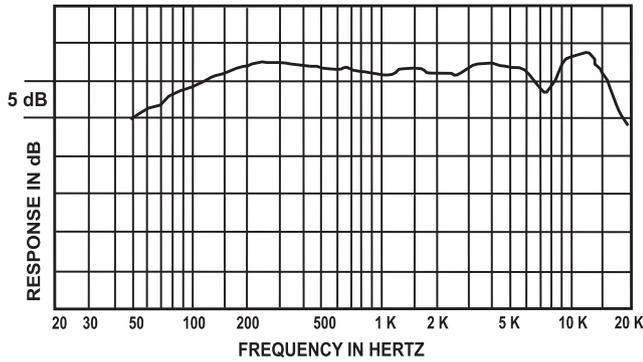
Technical specifications

Generation Element:	Dynamic
Frequency Response:	80 Hz to 13,000 Hz (see chart)
Polar Pattern:	Omnidirectional
Impedance:	150 ohms balanced
Sensitivity, Open Circuit Voltage, 1 kHz:	2.2mV/Pascal
Diaphragm Material:	Acoustalloy
Magnetic Circuit:	N/DYM magnet in a nonwelded circuit
Microphone Connector:	3-Pin, XLR-type, PIN 2 positive
Polarity:	Pin 2 positive, referenced to pin 3 with positive pressure on diaphragm
Case Material:	Aluminum
Finish:	Semi-Gloss “Camera” Black
Included Accessories:	Stand Adapter (Black)

Dimensions:	Length = 242 mm (9.52 in) Max. Diameter = 48 mm (1.90 in) Shank Diameter = 26 mm (1.02 in)
Net Weight:	320 grams (11.3 oz)
Shipping Weight:	567 grams (20 oz)

System overview

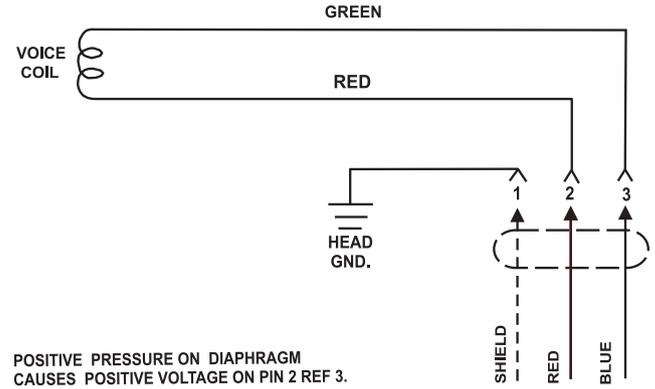
Frequency Response:



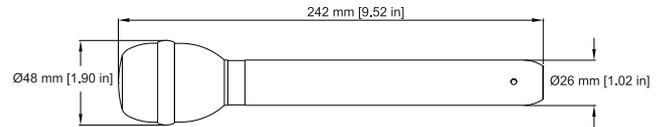
Architects' and Engineers' Specifications:

The microphone shall be a shock-mounted, omnidirectional, dynamic type with wide-range response uniform from 80 to 13,000 Hz. The microphone shall employ a high-mass acoustic chamber, integral with the transducer assembly that shall be shock-isolated within an external aluminum case. The microphone shall have an internal pop blast filter to prevent dust and magnetic particles from reaching the diaphragm. The impedance shall be such that the microphone will match 50-, 150-, and 250-ohm inputs. The line shall be balanced to ground and phased. The output level shall be 2.2mV/pascal. The magnetic circuit shall be nonwelded and employ a neodymium alloy magnet. The inner case shall be made of steel and the outer case of machined aluminum. The microphone shall have a maximum diameter of 48 mm (1.90 in) and a length of 242 mm (9.52 in). Shank diameter shall be 26 mm (1.02 in). Weight shall be 320 g (11.3 oz). Finish shall be nonreflecting semigloss black. The microphone shall have a built-in, 3-pin, XLR-type connector, and shall include a 5/8-inch -27-thread stand coupler and a zippered vinyl carrying pouch. The Electro-Voice RE50N/D-L is specified.

Wiring Diagram:



Dimensions:



Ordering information

RE50N/D-L

Long handled RE50N/D interview mic, black
Order number **RE50N/D-L**

Accessories

376

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, gray
Order number **376**

379-1

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, black
Order number **379-1**

379-2

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, red
Order number **379-2**

Represented by:

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337
USA

www.electrovoice.com