

I am afraid that we do not publish IP ratings for our products. However, I would expect the MR-23151-000 to have an IP rating of between 58/68. The MR-23151-000 is waterproof to 15 metres (50 feet) submersion.

Please see the extract below taken from our ST Product Guide v1.0 for more information on the MR microphone:

"Construction:

MR Series microphones combine a conventional element with a waterproof bellows assembly. The bellows conducts sound to the element and survives 15m (50 feet) of submersion in water. The grill has large perforations and drains immediately, and the microphone may be cleaned with a hose. It should be mounted with the grill vertical or downward. Water may pool in the bellows if the grill faces upward.

The microphone is intended to be panel mounted through a hole: cemented from behind with the wide part of the flange exposed. Flying leads extend from the terminals of the microphone element. Models using BT and BJ elements are recommended. BL, CA, and WP series elements have also been used in MR assemblies.

Applications:

MR was originally designed to be used on air-dropped rescue beacons. It had to survive explosive decompression and submersion as the beacon was ejected from an airplane, plunged underwater, and then surfaced for operation.

More recently, MR microphones have been used in a variety of challenging applications including:

- * Dive helmet
- * Noise cancelling muffler
- * Unmanned Ground Sensor
- * Gunshot Detection
- * Military Radio

Any outdoor application where the microphone is expected to get wet, dirty, or submerged is a good candidate for MR. It works for both communication and acoustic sensor applications."