



Ibsophone was designed in the end of 1960 for the Swedish Navy by Mr Börje Strömberg. The purpose of developing this product within diving was to meet the growing demand for high quality means of communication between the diver and his attendant. In august 2002, **INGENJÖRSFIRMA CURT NYBERG AB** took over the manufacturing of Ibsophone and have since then developed, manufactured and sold this communication system.

During the design work the telephone was used, in its different development stages, by divers with a mouth piece, full face mask and helmet/hardhat. In order to evaluate the audibility of speech, conversations were conserved on tape for comparison with other diving telephones. Ibsophone has also been manufactured to be used with so called rebreathers like Interspiro ACSC och DCSC.



During the years the Isophone has been upgraded with new internal components.

Regarding the IBSOPHONE-diving telephone the best way of acquiring most necessary knowledge about the equipment is to study the instruction book. It will then be easier to make proper use of all its special capabilities and to avoid mistakes.

The instruction book can be downloaded from our website www.ibsophone.se



The Ibsophone includes the following components:

THE HEADSET.....



consists of two earphones, a microphone, a headband and a switch for shifting the communication direction from the diver to the attendant and vice versa. The microphone and headphone are water-proof, and the switch is hose proof.

THE AMPLIFIER UNIT.....



is mould in plastic, impact resistant, between two PVC plastic tubes. The tubes contain the battery cells. Consequently the amplifier is entirely separated from the batteries. If the batteries should leak, the amplifier would not be damage at any rate. All controls and contacts are built in or otherwise protected against damages by careless handling. The unit is pressure proof and can be submerged.

THE LIFE LINE.....



is equipped with terminal contacts at both ends, both for the diver and his attendant. The line is a special product, designed by IBS together with leading rope manufacturers, is the result of a long series of tests. In the life line, the electrical wires are braided with a small lay, making the wires unaffected by tensile stress.



Wet lines are very slightly negatively buoyant. The line is made of a rather rigid material which is rough, thus enabling a good hand gripping. The divers terminal contacts consist of two Electro Oceanic female connectors which are air tightly connected with the electrical wires of the life line in one cast house.

COMMUNICATION CABLE.....



A communication cable instead of the life line can also be provided. This product is specially designed for INTERSPIRO's new surface supplied diving system called DP1.

THE DIVERS MICROPHONE..



is air tightly connected to a short wire with an Electro-Oceanic male connector to be placed in INTERSPIRO (AGA) full face mask. It is also possible to place the microphone in other masks. At tests with full face masks, however, INTERSPIRO's (AGA) full face mask proved to give the least disturbing sound level from the breathing valve and the air bubbles. The microphone is constructed for a pressure down to 50 metres water depth..




THE DIVERS EARPHONE.....



also called bone conductor, is transmitting the sound via the bones of the skull. The bone conductor is guaranteed to function down to 100 metres depth and has been used to 300 metres depth. The bone conductor could also replace the microphone for divers with a mouth piece or when diving to greater depth then 50 metre.

Please visit our website for more information:

www.ibsophone.se

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