

Scubaphone

by *Subsea* Import Corporation

Surface Unit Model 1080SX

NSN: 5845-20-008-2711

The Scubaphone Model 1080SX is an advanced, medium range (3Km nominal) Surface communications system designed for the rigors of the salt water environment and the unique requirements of professional divers. The Scubaphone Model 1080SX is designed to provide waterproof, Surface communications support for products such as :

- Scubaphone 1080VOX diver unit
- Subphone 580TX
- Subsea Model 5180
- Subsea Model 1020

Scubaphone's technology is unequalled in the industry in terms of:

- clarity of speech
- extended range in both fresh and salt water
- clear communications in strong currents, around obstacles and in enclosed areas
- ease of use
- long battery life
- rugged reliability in military / police / professional use

Advanced technology contributes to the superior quality and clarity of speech in the Scubaphone. Sophisticated electronic circuitry and filtering techniques are utilized to enhance speech clarity and reduce extraneous noises, thereby providing optimum clarity under adverse conditions. The Scubaphone Model 1080SX is a direct descendent of the Scubaphone Model 2000SX without the Model 2000SX's built in battery charging systems for 2 each Model 2000D diver units.



The Scubaphone 180SX — like all of Subsea's products — employs crystal controlled single side band (SSB) ultrasonic techniques. Scubaphones SSB technology provides distortion free transmissions and extended battery life. Users will enjoy clear communications even in strong currents or waters crowded with ships, wharf pilings, or debris. The Scubaphone 1080SX is compatible with all other Subsea communications products.

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The Scubaphone model 1080SX provides the most reliable, high quality medium range communications capability in a waterproof compact cabinet on the market today. With the freedom of a wireless system and the security of a reliable state-of-the-art design, Subsea's Scubaphone is the ideal answer for your diving operation's communications needs. The Scubaphone Model 1080SX has an internal gel battery and charging system but can also be operated from an external 12VDC source to provide extended operating capacity.

Features

- All controls and connectors are sealed and waterproof.
- Low power consumption (30 hrs @ 15% transmit).
- Charging system has automatic reduction to trickle charge and charge-level indicators.
- Tape outlet allows for recording of communications of both divers and surface attendants.

Accessories included:

Accessory carry case
Transducer with 10 meter cable
Hand microphone
Tape recording cable
Charging transformer (specify AC voltage needed)
Operators manual

	Surface Unit 1080SX
Operating Frequency	USB 28.5KHz carrier standard Other frequency options available
Modulation	Upper Single Sideband Suppressed Carrier
Transmitter Activation	PTT (push-to talk)
Transmitter Power	5 Watts rms
Receiver Audio Power	2 Watts rms
Receiver Gain Control	Automatic or Manual > 90dB
Nominal Range open water	3 Km
Maximum Operating Depth	Waterproof Surface Use
Battery	12V Sealed Lead Acid or External
Charging System	Built In
Operating Time @ 15% Transmit	30 Hours
Battery Charge Monitor	Built In
Operating Temperature	-20°C to 60°C -4°F to 140°F
Tape recording Output	Connection Built In
Extension Headset	Optional
Weight In Air	10Kg / 22.5lbs
Weight In Water	Buoyant

* A second waterproof case identical to the Surface Unit is provided to carry all accessories.
All specifications are subject to change without notice.