

# Model 5180

by *Subsea* Import Corporation

## Compact wireless underwater communications system

The Subsea's Model 5180 is a compact high-performance communications system which is designed to fill underwater communications requirements where mounting space is a major concern.

The Model 5180 provides up to 3 km communications range ( 27 kHz ). A large number of user defined operating frequencies are available. The Model 5180 also provides a pinger mode allowing other submarines, divers or surface vessels to home in on the transmitter's location.

Subsea's technology is unequalled 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 integration and use*
- *low power consumption*
- *rugged reliability in professional use.*



Advanced technology contributes to the superior quality and clarity of sound in the Subsea Model 5180. Sophisticated electronic circuitry and filtering techniques are utilized to enhance speech clarity and reduce extraneous noises, thereby providing optimum clarity under adverse conditions.

The Model 5180 — like all of Subsea's products — employs crystal-controlled single side band (SSB) ultrasonic techniques. Subsea's 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 and even while inside sunken ships, pipes or other enclosed areas. The Subsea Model 5180 is compatible with all other Subsea communications products.

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# Subsea Model 5180

The Subsea Model 5180 is the answer to reliable, easy-to-use, and extremely clear wireless medium range (up to 3Km under calm open water conditions, 27kHz). The answer to underwater communications where the user requires a small package solution to meet their underwater communications needs.

	<b>Subsea Model 5180</b>
Operating Frequency	User defined Custom frequency options available
Modulation	Upper Single Sideband Suppressed Carrier
Transmitter Activation	PTT (push-to talk)
Transmitter Power	5 Watts rms
Receiver Audio Power	1 Watts rms
Receiver Gain Control	Automatic, AGC > 90dB
Nominal Range open calm water	3 Km at 27kHz
Maximum Operating Depth	1 atmosphere, dry
Power	12VDC / 24VDC user defined
Pinger Mode	Transmits a 15msec pulse every second for emergency locating purposes
Operating Temperature	-20°C to 60°C -4°F to 140°F
Speaker & Microphone	Speaker connector / hand held mic Headset with boom mic option is available.
Size ( less connectors )	7.38W x 4.70H X 3.07D 18.8cm x12.0cm x 7.8cm Connectors add about 2" ( 5cm ).

*All specifications are subject to change without notice.*



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