



**WamBlee**

Committed to Excellence

# W820

scientific and  
oceanographic

## SATELLITE DATA TERMINAL

- SATELLITE DATA TERMINAL
- BASED ON SBD IRIDIUM® SERVICE
- COMPACT DIMENSIONS
- LOW CONSUMPTION



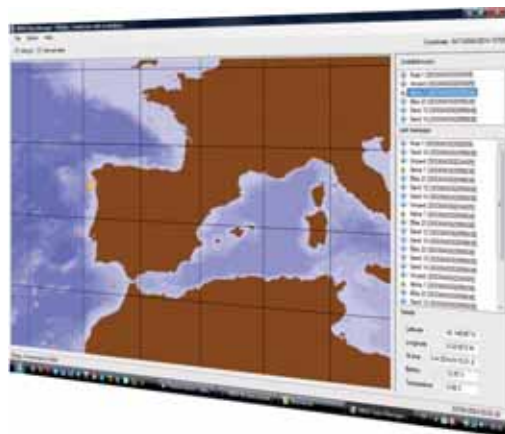
Powered by  
 **iridium**®  
Everywhere

The W820 is a satellite communication terminal, specifically developed for the control of the W810 radio buoy.

The W820 uses the communication network LEO (Low Earth Orbit satellites) of Iridium<sup>(1)</sup>, formed by 66 satellites orbiting around the Earth. This satellite network provides continuous coverage of the globe (including poles) ensuring a latency of messages less than one minute.

The connection interface in RS442 allows to realize also considerably long connections between device and computer (over 500 meters length) and also in conditions of strong electromagnetic interferences.

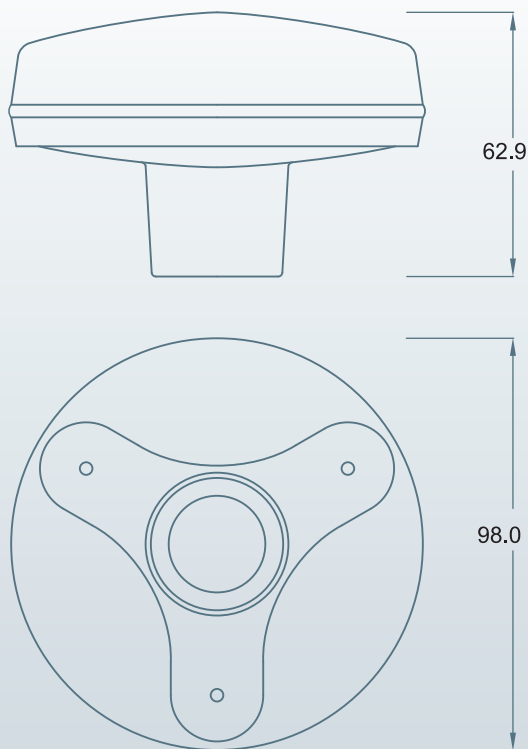
The W820 is controlled via the dedicated software to the W810 radio-buoy systems, it operates in an autonomous way and it is recognized as a network interface device.



**TECHNICAL SPECIFICATIONS**

- Communication terminal via satellite uplink/downlink.
- Frequency: from 1616 Mhz to 1626.5 Mhz.
- RF power: 1Watt typ.
- Modulation: DE-QPSK.
- Multiplexing: TDMA/FDMA.
- Communication base: SBD Iridium.
- Working temperature: from -10°C to + 55°C.
- Storage temperature: from -30°C to + 70°C.
- Power supply: from 10 to 28 Volts DC.
- Consumption: 0.3 W in stand-by, 8W by transmitting (<10 ms).
- Dimensions: 98 x 62.9 mm.
- Weight: 300 gr.
- European standards: Directive 99/05 (R&TTE).

Order Code	Description	Packing Quantity
P20025	W820 Satellite Data Terminal	1



<sup>(1)</sup> Iridium and Iridium Everywhere are trademarks of Iridium Communications Inc.

