



For Professional Divers

- ▶ Two-way communication using up to 28 preset text messages
- ▶ communication with the boat unit and with any other diver in the same network
- ▶ Enhanced safety & reliability
- ▶ Prompt handling of in-water emergencies
- ▶ Diver initiated & remotely initiated SOS signal
- ▶ Location of lost diver by homing beacon
- ▶ 3D digital underwater compass
- ▶ Supports up to 28 divers in a network
- ▶ Depth: up to 90 meters/295 feet
- ▶ Range: up to 1,000 meters/3280 feet (depending on sea conditions)
- ▶ Compact & lightweight
- ▶ Robust, water-resistant & energy efficient boat units
- ▶ Programming through PC interface
- ▶ Long-lasting rechargeable battery



UDI-28 is an outstanding, technology proven device, supported by state of the art algorithms, designed to fulfill the professional's needs. It offers a new software package, a large number of users and messages and provides an extended range, depth, endurance and a more robust error correction code, along with a new computer-based boat unit and a new active antenna.

The **UDI-28** system consists of a diver's wrist-worn unit and a boat (surface) unit. It incorporates a digital acoustic messaging technology with SOS and homing capabilities and a 3D compass.

The **UDI-28** compact wrist-worn unit is an underwater communication and safety device. This unit connects the diver with the surface vessel where the boat unit is located, as well as with fellow divers.



SHARE. CONNECT. CONTROL. STAY SAFE.

UDI™ 28 Technical Specifications

Communication

Number of preset text messages	28
Number of networks	2
Number of users per network	28
Average transmission time	3.2 sec.
SOS frequency	37.266 KHz
Homing frequency	Determined by network
Frequency band	Low band: 35 to 41 KHz; High band: 51 to 56 KHz
SOS nominal range	Calm sea conditions: 1000m; Sea condition 4: 800m
Homing nominal range	Calm sea conditions: 1000m; Sea condition 4: less than 800m
Nominal message transmission range	Calm sea conditions: 1000m; Sea condition 4: less than 800m
Maximum depth	90m
Probability of correct reception	95%; Sea condition 4: 80%
3D compass accuracy	$\pm 2.5^\circ$
Receiver sensitivity	-80 dBV
Maximum velocity (diver's speed)	2 m/sec.
Battery type	7.4V Li-ion, 2500mAh, rechargeable
Battery life	9 hrs. assuming one transmission / 4 min.
Expected battery charging cycles	500
Low battery indicator	Last 90 minutes on screen
Transducer	Piezoelectric type
Housing	High impact injection molded plastic
Buzzer / Alarm	Audible signal + super bright LED
Broadcasting mode	With acknowledgement indication

General Specifications

Colors	Black
Operating temperature range	0°C to 45°C
Storage temperature range	0°C to 50°C
Metric/Imperial unit of measure selection	Yes
PC software	DiveSim
PC communication	USB, cable included
PC logbook	Database + graphic presentation



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UDI™

IN-DEPTH HIGH-TECH

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