UDI™ 14

- Two-way digital communication using up to 14 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
- Advanced RGBM dive computer
- Supports up to 14 divers
- Depth: up to 50 meters/165 feet
- Range: up to 500 meters/1640 feet
- Compact & lightweight
- Robust, water-resistant & energy efficient boat units
- Programming through PC interface
- PC-based simulation software
- Long-lasting rechargeable battery

UDI-14 by **UTC** is a complete underwater system that enables divers to exchange messages, navigate, use a dive computer and, most importantly - stay safe at all times.

The **UDI-14** system consists of a diver's wrist-worn unit and a boat (surface) unit. It incorporates the world's first two-way digital acoustic messaging technology with SOS and homing capabilities, a 3D compass and an advanced RGBM dive computer.

UDI™ SHARE. CONNECT. CONTROL. STAY SAFE.

www.utc-digital.com

UDI™ 14
Technical Specifications

Communication

Number of preset text messages	14
Number of networks	4
Number of users per network	14
Average transmission time	1.8 sec.
SOS frequency	37.266 KHz
Homing frequency	Determined by network
Frequency band	35 to 56 KHz
SOS nominal range	Calm sea conditions: 500m; Sea condition 4: less than 200m
Homing nominal range	Calm sea conditions: 500m; Sea condition 4: less than 200m
Nominal message transmission range	Calm sea conditions: 500m; Sea condition 4: less than 200m
Maximum depth	50m
Probability of correct reception	95%; Sea condition 4: 80%
3D compass accuracy	±2.5˚
Receiver sensitivity	-80 dBM
Maximum velocity (diver's speed)	2 m/sec.
Battery type	7.4V Li-ion, 1800mAh, rechargeable
Battery life	6 hrs. assuming one transmission / 4 min.
Expected battery charging cycles	300
Low battery indicator	Last 90 minutes on screen
Transducer	Piezoelectric type
Housing	High impact injection molded plastic
Buzzer / Alarm	Audible signal
Broadcasting mode	With acknowledgement indication

Dive Computer

Calculation method	Full RGBM (Reduced Gradient Bubble Model)
Gas mixture	Nitrox EAN from 21% to 99%
Deep stop option	Yes
Saltwater correction	Yes
High altitude correction	Yes
Real-time clock	Yes
Safety stops	Yes
Deep stop countdown	Yes
Maximum depth	50m
Depth resolution	0.1m
Ascent rate alarm	Yes
Full decompression data	Yes
Gauge mode	Yes
Maximum depth display	Yes
Temperature display	Yes
Lifetime history black box	Yes
Logbook memory	Yes, for hundreds of dives
Compass	Digital 3D compass with graphic or digital heading

General Specifications

Colors	Yellow, orange, pink, blue, green, black
Operating temperature range	4˚C to 40˚C
Storage temperature range	0˚C to 40˚C
Metric/Imperial unit of measure selection	Yes
PC software	DiveSim
PC communication	USB, cable included
PC simulation	Yes, with simulated log files
UDI simulation	Yes, with simulated log files
PC logbook	Database + graphic presentation
Dive planning	Yes

UDI™ IN-DEPTH HIGH-TECH