

# DRI-267A DIVE RANGER TRANSPONDER INTERROGATOR

LOCATOR

- EASY TO OPERATE
- CAN LOCATE UP TO 7 DIFFERENT TRANSPONDERS
- DISPLAYS RANGE AND BEARING INFORMATION
- CAN BE EXPANDED TO SURFACE USE



*LCD displays range in meters, directional bearing, transmit and receive functions, channel selection, and low battery indicator.*

The DRI-267 Dive Ranger employs advanced acoustic technology to guide users to underwater sites marked with underwater acoustic transponders. The system is highly accurate, rugged, and well-

suited for hostile environments. Designed primarily for divers, the DRI-267 can also be converted to a surface unit using the optional ACU-266 Conversation. Operation of the DRI-267 Dive Ranger is straightforward. The user or diver turns the unit on and chooses the proper channel to correspond with the transponder to be located. The area is then scanned by moving the Dive

Ranger through the water while monitoring the LCD read-out. When the transponder comes within range, the Dive Ranger interrogates it and receives a reply. The LCD will then display the exact range in meters and bearing to the transponder target. Using phase-comparison technology, the bearing is indicated via the LCD readout which tells the operator if he is too far left or too far right of the target. Altogether, the LCD displays digital range in meters, directional indication, transmit and receive functions, low battery indication, and channel selection. The system is field-proven, quick, and efficient. The Dive Ranger system comes complete with a compass, rechargeable battery pack with charger, spare parts kit, operator manual, and water-tight, shock-proof carrying case.

## SPECIFICATIONS

Transmit Frequency:	26 kHz.
Acoustic Source Level:	184db re 1..Pa @1 meter.
Transmit Repetition Rate:	1 or 2 seconds.
Transmit Pulse Length:	5.0 ms.
Receive Frequency:	25, 27, 28, 29, 30, 31, 32 kHz.
Hydrophone Sensitivity:	-190db re 1..Pa @1 meter.
Receiver Detection Time:	.8ms.
Turn-around Time:	20ms.
Receive Beam Width:	±25°.
Power Source:	10.8 V rechargeable NiCad battery pack.
Battery Life:	12 hours between charges.
Charger:	110 VAC (110/220V transformer optional).
Range:	Maximum 1000 meters.
Operational Depth:	600 ft (183 m).
Weight in Air:	7.5 lbs. (3.35 kg).
Weight in Water:	10 oz. (166 g).
Housing Material:	PVC.
Housing Dimension:	
Length:	12.0 in. (30.5 cm).
Diameter:	4.5 in. (11.4 cm).

ACOUSTICS

FLOTATION

GEOPHYSICAL

HYDROPHONES

IMAGING

MODEMS

LOCATOR

ROBOTICS



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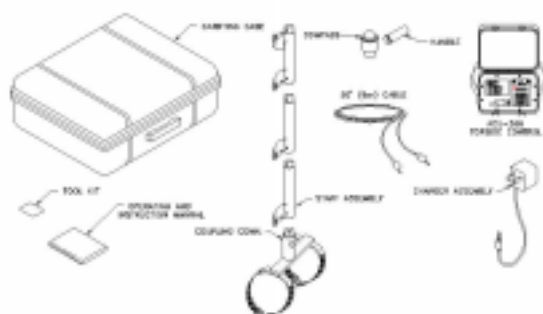
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## ACU-266 SURFACE CONVERSION KIT FOR DRI-267A

- QUICKLY CONVERTS FROM DIVER MODE
- DISPLAYS RANGE AND BEARING TO TRANSPONDERS
- INCLUDES STAFF AND CABLE, DECK BOX, AND CARRYING CASE
- TRACKS UP TO 7 DIFFERENT TRANSPONDERS

The ACU-266 Surface Conversion Kit is a useful addition to the DRI-267 Dive Ranger Interrogator by allowing an operator to relocate and track up to 7 different transponders from the surface. A rugged aluminum staff assembly, harness, and LCD that displays even in sunlight conditions enhances the DRI-267 system. The ACU-266 can easily convert to and from the diver mode since there is no complicated set up or calibration involved - just attach the cable to the DRI-267, and turn the ACU-266 on. Operation couldn't be simpler.



### SPECIFICATIONS

Interface:	RS-232 level.
Baud Rate:	2400 bps.
Display:	LCD (8 contrast settings).
Keypad:	Weather proof.
Deck-Box Housing:	ABS plastic alloy.
Weight in Air:	3.5 lbs. (1.58 kg).
External Dimensions:	8.5" L x 6.0" W x 3.0" (21.6 cm x 15.2 cm x 7.6 cm).

Specifications subject to change without notice. 2/01



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