

Datasheet

Sub-Mini Transponder/Responder (Discontinued)



Description

Since 1975, Sonardyne have been developing and manufacturing reliable position reference beacons for ROVs, towfish and other mobile targets.

The Types 7656 and 7866 Sub-Mini Transponder/Responders represent the latest design developments and are compatible with both Sonardyne USBL and L/USBL systems and Simrad HPR systems. With these beacons, targets can be tracked deeper and at further ranges than ever before.

Key Features (Type 7656)

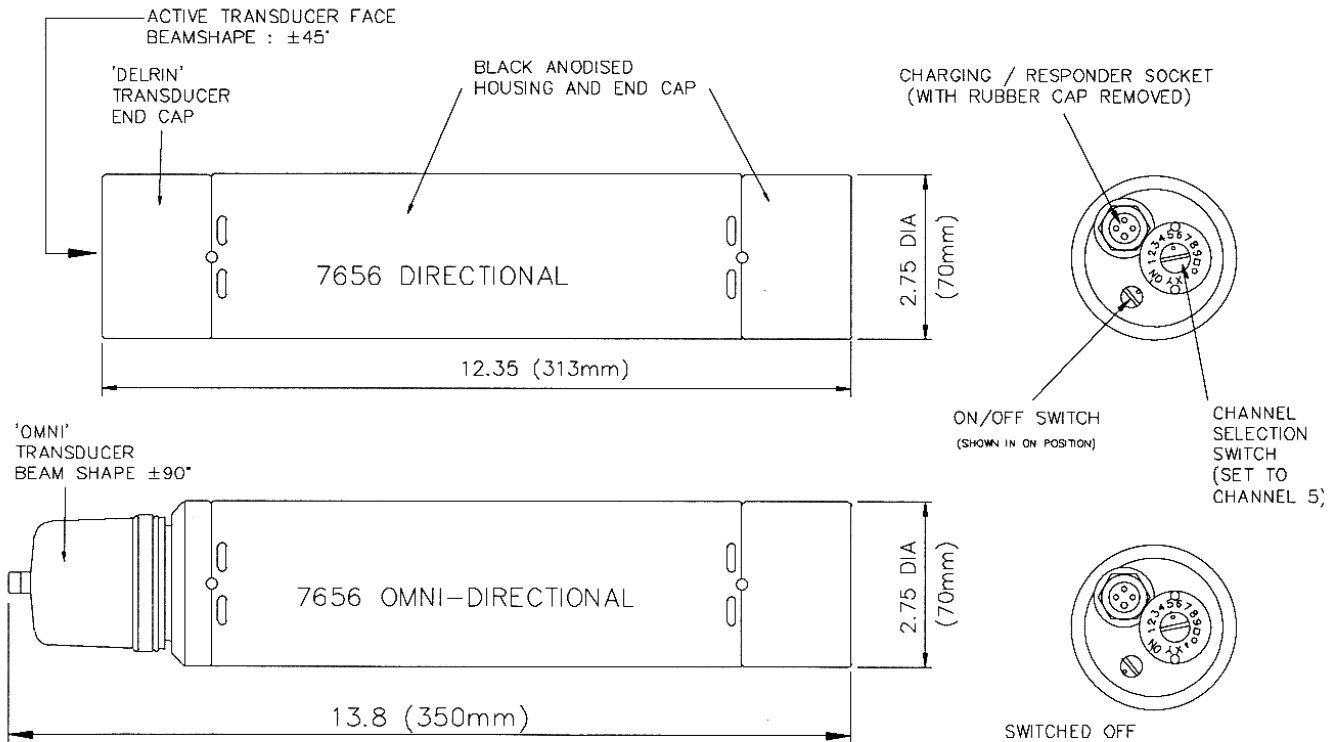
- Depth rated to 1,000 Metres
- Choice of Omni-Directional or Directional transducer
- Responder trigger, power supply and charger connector are Simrad compatible
- External switch selects HPR channel
- External on/off switch

Key Features (Type 7866)

- Depth rated to 4,000 Metres
- High power Directional transducer
- Compact and rugged design
- External switch selects HPR channel
- External on/off switch
- Unlimited replies in responder

Specifications

Sub-Mini Transponder/Responder (Discontinued)



Feature	Type 7656	Type 7956	Type 7866
Depth Rating	1,000 Metres	1,000 Metres	3,000 Metres
Operating Frequency Channels	Simrad 1~9	Simrad 1~9	Simrad 1~9
Transducer Beamshape	Omni-Directional	Omni-Directional	Directional
Transmit Source Level	188dB re 1µP @1m	193dB re 1µP @1m	200dB re 1µP @1m
Receive Sensivity	100dB re 1µP @ 1m	100dB re 1µP @1m	100dB re 1µP @1m
Transmit Beam	±90°	±45°	±30°
Max. Repetition Rate	2 Per Second	2 Per Second	2 Per Second
Power	Ni-Cad	Ni-Cad	Ni-Cad
Quiescent Life	30 Days	30 Days	30 Days
Externally Powered	Indefinite	Indefinite	Indefinite
Mating Connector	VMG-4-FS	VMG-4-FS	VMG-4-FS
No. of Replies (Transponder Mode)	70,000	10,000	17,000
Dimensions (LxDia)	347mm (13.6") x 72mm (2.8")	313mm (12.3") x 70mm (2.7")	386.1mm (15.1") x 86.1mm (3.3") w/sleeve
Weight in Air	1.8kg	2kg	4.2kg
Weight in Water	0.9kg	1kg	1.2kg