Sonardyne UK (Head Office)
T. +44 (0) 1252 872288
F. +44 (0) 1252 876100
E. sales@sonardyne.com
www.sonardyne.com

Datasheet

Compatt Mk4 EHF (Discontinued)

Description

The COMPuting and Telemetering Transponder (Compatt) is a microcomputer controlled subsea transponder used for acoustic navigation and positioning. The EHF system is suitable to a wide range of tasks such as underwater measurement, remote control and monitoring.

The Type 7801 Compatt Mk4 is the Extra High Frequency (50-110 kHz) version of Sonardyne's fourth generation family of transponders built to complement the existing range of Long Baseline products. Its lightweight design permits easy sub-sea installation and removal by divers and ROVs making it an ideal tool for use in spoolpiece measurement applications.

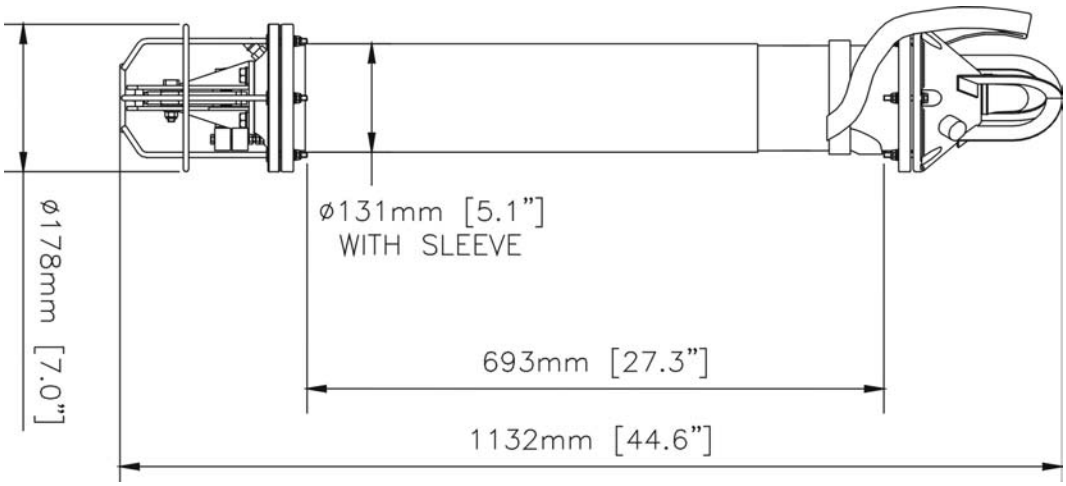
Key Features

- Sequential mode operation with twelve individual channel frequencies
- Simultaneous receiver card for high speed positional updates fitted as standard
- Unique addresses allow up to 768 Compatts to be used in close proximity
- Programmable address codes
- Conventional Enable and Disable commands for normal transponder operation
- Advanced telemetry facility replies to all commands with Compatt address, confirmation of command executed and error-checking
- Direct measurement of baselines between Compatts greatly improves array calibration accuracy
- Baseline measurement 20 mm
- Temperature and depth measurements allow sea-bed sound velocity evaluation
- Battery check records remaining battery capacity and time since last charge
- Remote status Monitory
- Cycle mode permits up to eight preset commands to be executed on receipt of one command
- Internal tilt sensor ±45°
- Battery count auto-disable at 90% battery pack usage.

Sonardyne UK (Head Office)
T. +44 (0) 1252 872288
F. +44 (0) 1252 876100
E. sales@sonardyne.com
www.sonardyne.com

Specifications

Compatt Mk4 EHF (Discontinued)



Feature	Type 7801
Depth Rating	2,500 Metres
Operating Frequency	EHF (50-110kHz)
Transducer Beamshape	Omni-Directional
Maximum Acoustic Range	1Km
Relative Positioning Accuracy	0.02–0.15m
Transmit Source level (dB re 1µPa @1m)	190dB
Receive Threshold (dB re 1µPa)	90 - 125dB
Quiescent Life	1071 days (Alkaline) 1786 days (Lithium) 89 days (Ni-Cad)
Dimensions (LxDia)	1132mm x 178mm
Weight in Air	24.1kg
Weight in Water	11.2kg
Endcap Sensors (Fitted as Standard)	Temperature (PRT), Tilt switch (±30-45°), Depth (Strain Gauge Pressure transducer), Conductivity, Power for external sensors