

ACOUSTIC TELEMETRY

COMPACT ALTIMETER TELEMETRY SET



A simple to use system enabling height above seabed information to be telemetered acoustically to the surface – no wires or cables involved. Ranging to the telemetry transponder can also be achieved. A contact closure output allows manual or automatic firing of remote equipment (e.g. subsea cameras) at a pre-determined height above seabed. The transponder also operates as a positioning beacon with external channel changing for compatibility with Simrad HiPAP/HPR, Sonardyne USBL, ORE Trackpoint/LXT systems.

- **Height above seabed information acoustically telemetered to the surface.**
- **Simple to set-up and operate.**
- **Allows remote firing of subsea equipment.**
- **Allows ranging to the telemetry transponder.**

The entire set is comprised of the following equipment items:-

- Subsea Telemetry Transponder Model 943V4475.
- Transponder Precision Altimeter Model PA200.
- Cabling as required.
- PAM Model 2520.
- Dunking Transducer Model DM30CG.
- Charger Lead.

Transponder Specifications – Model 943v4475

Size	95ø x 580 long.
Weight in air/water	6.5/3kg.
Battery type	4Ah NiMH.
Listening life	90 day.
Operational life	24 Hrs @ 0.5pps (Navigation). 12 Hrs @ 0.5pps (Telemetry).
Connector type	10-way Subconn.
Closure output	200mA maximum current.
Firing intervals (automatic)	0 – 16 metres in 0.25 metre increments.

Altimeter Specifications – Model PA200

Size	47ø x 160mm long.
Frequency	200kHz.
Depth rating	4000m.
Height span	700 metres.

PAM Model 2520 Specifications

Comprises all the standard PAM Tester/Charger features (please see separate PAM 2520 data sheet) plus software to accept data telemetry.

Size	350mm x 250mm x 120mm.
Weight	5 kg.
Mains voltage	100 – 250 VAC @ 60VA.
Display	8 line LCD.
Number of keys	7.
TX Power	250W rms maximum.
Charge capability	All AAE 900 series beacons and others.
Serial output	RS-232.

Model DM30CG Specifications

Size	178ø x 350 long.
Weight in air	4kg inc. cable.
Cable length	30 metre standard.
Frequency band	20 – 33kHz standard.
SPL	195dB nominal.

August 2002



Marine House, Marine Park, Gapton Hall Road, Great Yarmouth, NR31 0NL, England
 Tel: + 44 (0) 1493 440355 Fax: + 44 (0) 1493 440720
 www.appliedacoustics.com email: general@appliedacoustics.com

Due to continual product improvement these specifications may be subject to change without notice.