

SONARDYNE ANT TRANSPONDER TEST SET



GENERAL DESCRIPTION

The ANT unit has been designed to test the accuracy and performance of Acoustic Transceivers and complex intelligent transponders.

It has a keyboard and LCD display and can be manually programmed using a menu driven operating system either from the front panel, remote terminal, or a computer which can work in a fast direct data access mode.



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SONARDYNE ANT TRANSPONDER TEST SET

TECHNICAL SPECIFICATIONS

Technical Specifications

Title	Value	Comment
Modes of Operation	CW, sweep, single, multi-tone	Synthesiser section
Frequency range	1 kHz to 160 kHz	Synthesiser section
Frequency Resolution	10 Hz (5 kHz to 80 kHz)	Synthesiser Section
Amplitude	6V rms	Synthesiser section
Output Impedance	250 Ohms	Synthesiser Section
Pulse Width	0.5 ms to 32 sec, Resolution 0.5 ms 10 μ s to 32 ms, Resolution 1 μ s	Synthesiser section
Repetition Time	1 ms to 32 seconds, Resolution 0.5 ms	Synthesiser section
Frequency Sweep Baud Rate	1 - 160 kHz	Sweep Mode
Sweep Time	1 ms to 32 s (depends on frequency difference)	Sweep Mode
Minimum Repetitive Sweep Time	1.5 x sweep time	Sweep mode
Trigger Output	+ve 5V pulse, width equal to sweep time	Sweep Mode
Trigger In/Out	5V logic levels	Sweep Mode
Output Delay	0.5 ms to 32 seconds, Resolution 0.5 ms	Sweep Mode
Frequency Range	1 kHz to 160 kHz	Receiver
Resolution	10 Hz	Receiver
Bandwidth/ Pulse Width	LF : 280 Hz/8 ms, MF : 400 Hz/4 ms, HF : 800 Hz/2 ms	Receiver
Pulse Width Measurement	100 μ s to 32 ms, Resolution 1 μ s *	Receiver
Amplitude Measurement	50 mV to 6V rms	Receiver
Timer	100 μ s to 32 seconds, Resolution 10 μ s *	Receiver
Serial Interface	RS 232 (D.C.E.) Current Loop 25 way Cannon Connector 9 way Cannon Connector	Receiver
Mains Power	115/230V, 50 Hz, 10 VA	
Battery Power	Rechargeable, 2 hours operation	



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