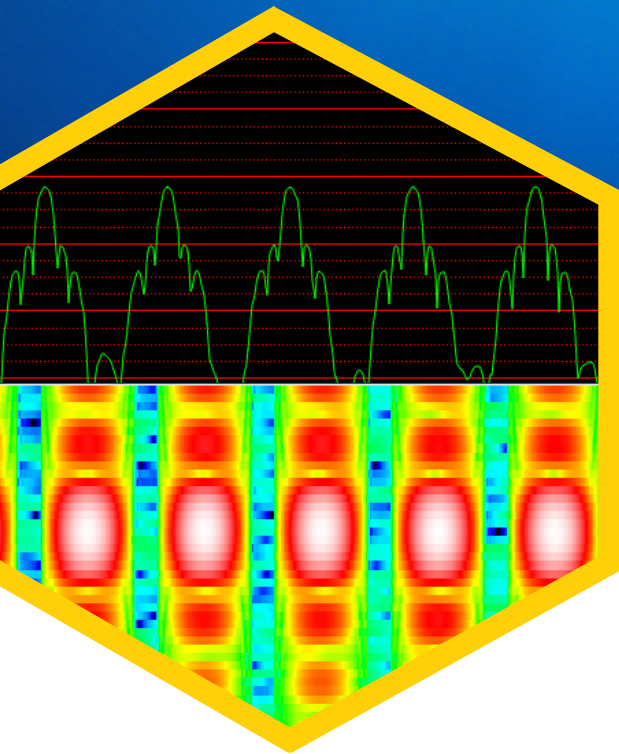


TRIDENT EM TRANSMITTERS



Product Overview

The Trident series Electromagnetic Transmitters have been developed by Propipe Limited for use within pipeline pigs for identification, tracking and locating. Trident transmitters produce high power, efficient waveforms at a range of frequencies, from 10Hz to 30Hz.

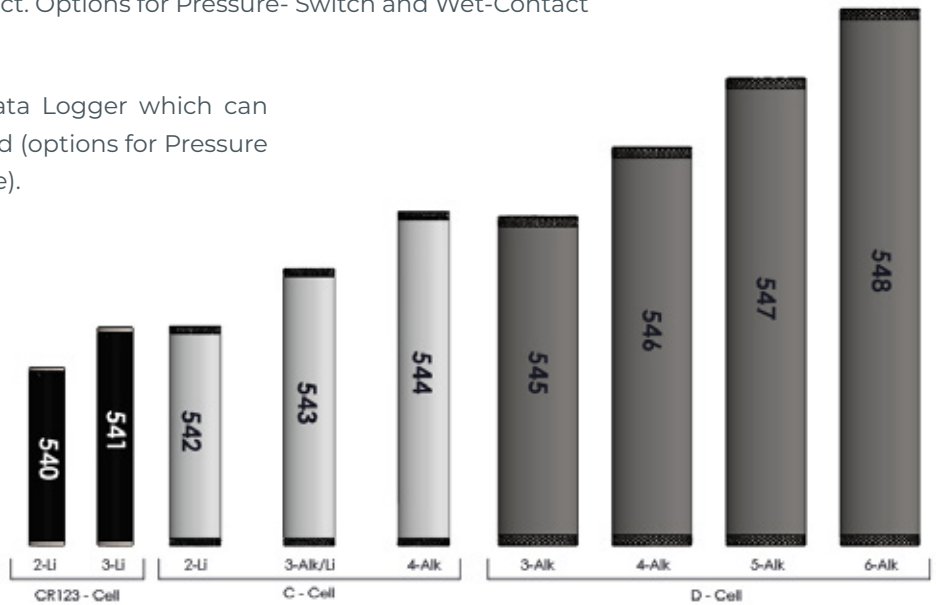
All Trident transmitters are programmable using Bluetooth technology, without the requirement to open the unit.

Parameters such as: Power output, Frequency, & Pulse Rate can be programmed to optimise the transmitter for a specific pipeline/project. Options for Pressure- Switch and Wet-Contact start are also available.

Each Transmitter houses an on-board Data Logger which can measure Acceleration and Gyro as standard (options for Pressure and Temperature logging are also available).

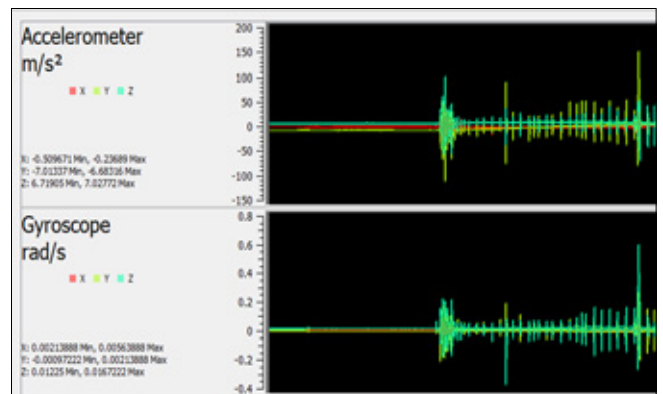
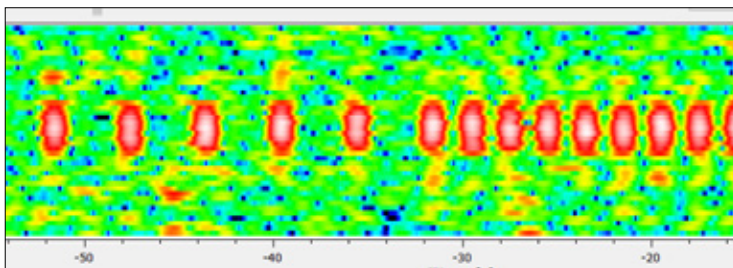
Standard Features

- Fully Programmable via Bluetooth
- High Power, Efficient Signal
- On-board Data logger
- Complete with Mounting Flange



SMART Transmission

Propipe Trident Transmitters can also be incorporated into other products providing a dual rate transmission. The transmitter is connected to the product via a cable and can provide a switching function, which automatically changes the transmission rate or frequency.



Acceleration and Gyro Data Example



TECHNICAL SPECIFICATION

SPECIFICATION	540	541	542	543	544	547
Pig Size	6"		8"	8" to 12"	10" to 16"	16" & Above
Diameter	Ø31mm			Ø45mm		Ø70mm
Length	156mm	190mm	191mm	241mm	291mm	460mm
Housing Material	Stainless Steel 316L Housing & End Caps (Titanium Housing Option for High Pressure Available)					
Battery Type	2x CR123 Lithium	3x CR123 Lithium	2x C Cell Lithium	3x C Cell Alkaline	4x C Cell Alkaline	5x D Cell Alkaline
Optimum Battery Life (Continuous)	12 Hours	21 Hours	6 Days	7 Days	8 Days	22 Days
Optimum Battery Life (Pulsing 1/3s)	63 Hours	79 Hours	30 Days	30 Days	40 Days	90 Days
Estimated Battery Life (Pulsing 1/3s) Logging Activated	23 Hours	40 Hours	8 Days	6 Days	9 Days	21 Days
Frequency Range	10Hz to 30Hz (Programmable Via Bluetooth)					
Operating Temperature	-40°C to +60°C					
Standard MAX Operating Pressure	220 Bar		300 Bar			400 Bar
High Pressure MAX Operating Pressure	400 Bar		690 Bar / 1000 Bar			
Activation Method	Standard - Manual Activation Optional Delayed Activation - Wet-Start / Pull-Pin / Pressure Switch (0-200Bar Activation Pressure)					

NOTE: Above information is a guide. All Trident models can be programmed and configured to suit specific project requirements.

