

Reliability, dependability,
and intelligence on
every single pig run.

Intelligent EM Transmitters

SMARTER PIG TRACKING



The Propipe Trident line of intelligent electromagnetic transmitters enable dependable tracking of pigs in all pipeline applications.

Built for robustness, these transmitters are made from quality titanium and designed to handle extremely high pressure and vibration while providing a powerful electromagnetic signal and long battery life.

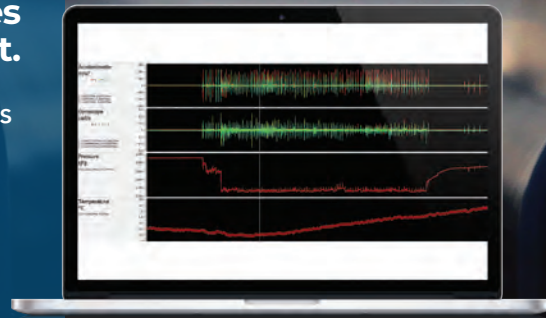
Each transmitter gives the user the option to collect and record high quality pipeline data from a number of sensors including IMU, pressure and temperature, giving users valuable and extremely cost-effective information about their pipeline.



PiggingSmarter.com

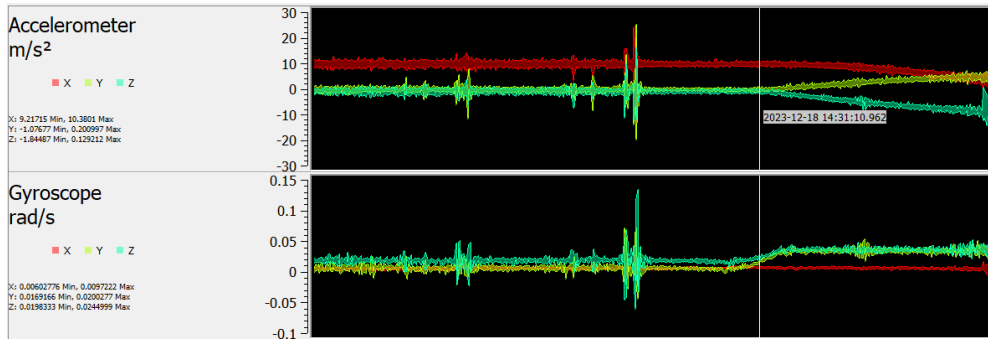
Today, more than ever, pipelines need to be safer & more efficient.

Propipe North America pipeline solutions includes world class pig tracking, data collection, and communications technologies combined with simple and easy to use software.



Intelligent EM Transmitters

By collecting sensor data while pigging, valuable insights can be made about the pipeline asset and about the performance of pigs. Data can be fused with above ground marker, or signaller data points to begin to build pipeline profile maps, detect welds, debris and defects quickly and easily.



Identification of welds, bends, valves, and significant features allows for analysis of pig speeds and pig performance through the pipeline.

- ✓ **Fully programmable and multi-frequency over bluetooth**
- ✓ **Simple integration with SMART gauge plates to find defects quickly**
- ✓ **Free visualization and analysis software**
- ✓ **Add pressure, temperature, and IMU data logging to your pigs for the same cost as classic transmitters**

	TRIDENT 540	TRIDENT 541	TRIDENT 542-L	TRIDENT 543-A	TRIDENT 544	TRIDENT 547
Pig Size	6"	6"	8"	8" to 12"	10" to 16"	16" & above
Length	6.1"	7.5"	7.5"	9.5"	11.4"	18"
Diameter	1.2"	1.2"	1.7"	1.7"	1.7"	2.7"
Batteries	2 x CR123 Lithium	3 x CR123 Lithium	2 x C Cell Lithium	3 x C Cell Alkaline	4 x C Cell Alkaline	5 x D Cell Alkaline
Optimum Battery Life (Continuous) @ 22Hz & +20C	10 hours	17 hours	152 hours	112 hours	138 hours	22 days
Optimum Battery Life (Pulsing 1/3s) @ 22Hz & +20C	45 hours	67 hours	638 hours	459 hours	615 hours	50 days
Optimum Battery Life (Pulsing 1/3s Logging Activity) @ 22Hz & +20C	33 hours	50 hours	178 hours	159 hours	158 hours	22 days
Frequency Range	10Hz to 30Hz (Programmable Via Bluetooth)					
Standard MAX Operating Pressure	220 Bar		300 Bar		400 Bar	
High Pressure MAX Operating Pressure	400 Bar		690 Bar/1000 Bar			
Operating Temperature	-20°C to +60°C					
Activation Method	Standard - Manual Activation Optional Delayed Activation - Wet-Start / Pull-Pin / Pressure Switch (0-200Bar Activation Pressure)					

SMART

Reliably track and locate pipeline tools with transmitters equipped with internal sensors, digital signal processing, and deep memory to collect and analyze pipeline data during routine maintenance. Make every pig a smart pig!

MODERN

Fully programmable using our free PigView-EM Bluetooth app with your smart phone or tablet, our transmitters come with free analysis & visualization software to easily view and process embedded sensor data.

RELIABLE

Built from high quality materials and tested to military standards for shock and vibration, Propipe Trident EM transmitters can be depended on for reliable pig tracking in the worst-case conditions.



Pressure & Temperature Logging EM Transmitters

Our transmitters allow users to not only reliably track and locate pipeline tools, but are also equipped with internal pressure sensors, temperature sensors, IMU, digital signal processing & deep memory to allow for the collection and analysis of pipeline data during routine maintenance and cleaning operations. Using our line of intelligent pig tracking transmitters can make every pig a smart pig.

NEW



Fully Encapsulated, Rechargeable Transmitters, for High Shock and Vibration

All transmitters can be purchased as fully encapsulated units with internal rechargeable batteries. These units are particularly useful in natural gas applications where extreme shock and vibration can cause damage to standard batteries and cause catastrophic failures. Units are charged through a standard USB C type connector.



Gauge Plate Logging EM Transmitters

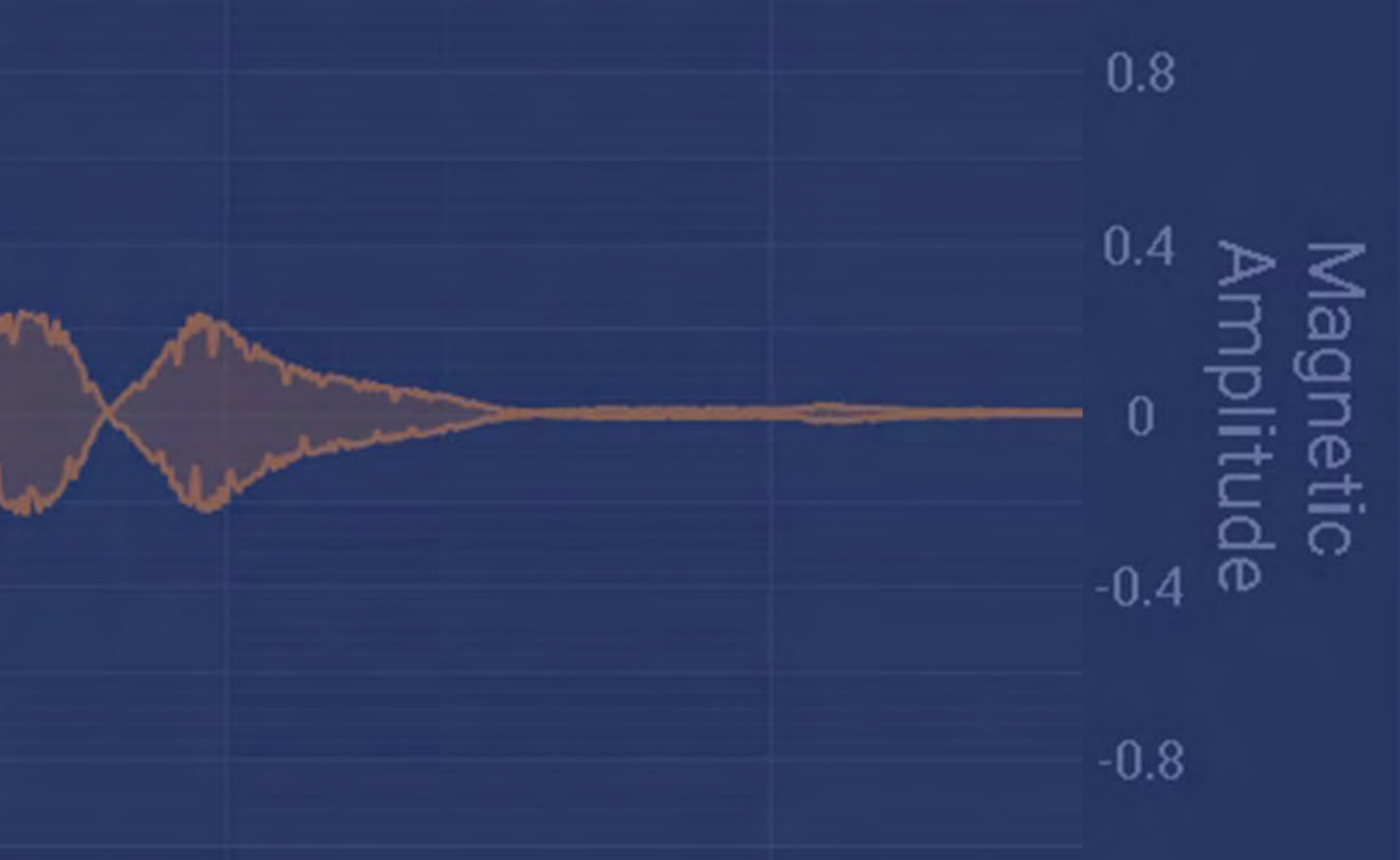
In addition to our embedded sensing options on Propipe Trident Intelligent EM Transmitters, users can easily interface the Propipe Trident line of transmitters to our intelligent gauge plate systems to detect and locate pipeline defects in real time or in post processing.



PigView Analytics Software

View and analyze your data within minutes of recovery.

Every transmitter sold includes free analysis and visualization software, PigView-Analytics, for easily viewing and processing embedded sensor data such as 3D acceleration, 3D Gyro, and Pressure/Temperature Profiles.



BUILDING INTELLIGENT TECHNOLOGY.

Propipe North America is committed to making pig tracking easier, safer, smarter, and more reliable.

Every day, we focus on innovation, listening to our customers, and world class technical support.



PiggingSmarter.com

sales@propipenorthamerica.com
1 (902) 417-5075