

### PDT Positive Pulser – Bottom Landing Tool Optional Gamma Built-In

PDT Pulser is the most advanced Pulser utilizing DC brush less technology to generate data transmission. Pulser creates a mud pulse signal by restricting mud flow, actuating a piston to generate an increase in pressure. LCM (lost circulation material) and solids have very little effect on the operation of this Pulser.

#### BENEFITS

Fully Wireline retrievable and reseatable  
Adaptable to other MWD systems  
Ease of servicing, reduce maintenance time

#### APPLICATIONS

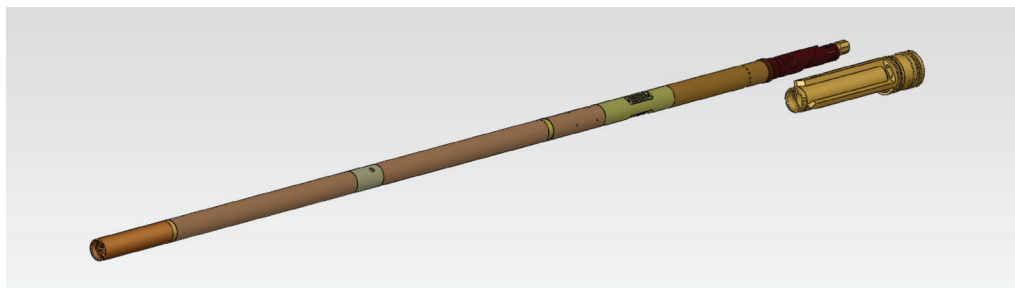
High Solids drilling  
Conventional oil wells

#### FEATURES

Low Battery usage  
Variable Pulse Widths  
Easily handles lost circulation material  
Anti - jam  
Fully compensated

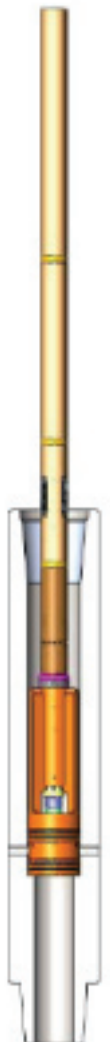
#### GAMMA BUILT-IN FEATURES

Less connections  
Short length of the tool  
Closer to the bit



#### TECHNICAL SPECIFICATION

UBHO Sub O.D.	3.5 to 9.5in (larger on request)	89 to 241mm
UBHO Sub Length	40in (longer on request)	914mm
Minimum Flow Rate	35 US gals/min in water	8 l/sec
Maximum Flow Rate	1100 US gals/min in water	67 l/sec
Temperature	150°C (Hi-Temp to 175°C special order)	350°F
Hydrostatic Pressure	Maximum 20,000 psi	137.9MPa
Operating Voltage	20-29V	
Nominal Current	12mA	
Shock	1000g/0.5millisecond	
Vibration	25g RMS 30-500 Hz Random, 30g 50-300 Hz Sine	
Mud Sand Content	Less than 1% recommended	
Lost Circulation Material	Up to 50 lb/bbl premixed Medium Nut Plug or Cedar Fiber	
Estimated Battery Life	Average 400/Hours	
Poppet Force (Push/Pull)	Open & Close Force 75 lbs	



#### WE OFFER

MWD / LWD Drilling Services with MWD specialists

MWD / LWD Kit Rental daily / monthly

MWD / LWD Kit Sales – customize your kit depending on your needs

Part Sales

MWD / LWD shop setups

MWD / LWD training

#### SERVICES

In-house Repairs & Tool Servicing

In-house Subs Repairs & Coating

In-house Engineering Technology Development