

Gamma Perforator Tool

The Gamma Perforator Tool is specifically developed for depth calibration operations in wellbore construction processes such as perforation, where there is significant vibration. It uses specialized components with good anti-vibration capabilities and a targeted anti-vibration structural design, which enhances the tool's vibration resistance by tens of times compared to conventional tools. The tool includes two parameters: magnetic positioning and natural gamma. The signal is transmitted using a single-core cable with Manchester encoding.

Applications

- Used for perforating operations;

Specifications

	GPT43C	GPT70C	GPT79.4C
General Spec			
Diameter	1 11/16" (43mm)	2 3/4" (70mm)	3 1/8" (79.4mm)
Length	1.7m	1.8m	1.8m
Dual-parameter supply voltage	DC: 60V±5V; Rated Current: 54mA±5mA		
Transmission Mode	Manchester Encoding (compatible with DDL III)		
Pressure Rating	140Mpa	140Mpa	140Mpa
Temperature Rating	175°C	175°C	175°C
Shock-Resistant	≥500g	≥500g	≥500g
CCL			
SNR	Better than 140% in general conditions, and better than 200% in tubing		
Gammar			
Statistical Fluctuation	< 7%	< 7%	< 7%
Counting Range	0 ~ 50000Cps	0 ~ 50000Cps	0 ~ 50000Cps

