

Bench Tree's m+ Pulser next-generation, motor-driven solution is compatible with QDT-style, positive-pulse MWD systems. At less than 36 inches long, the compact and rugged m+ Pulser has 50% fewer parts than similar units.

The m+ Pulser is designed for 175°C performance and is compatible with next-generation and legacy MWD fleets. Offering higher reliability and reduced operational costs, this solution signals the beginning of a new era in MWD technology.

- High-operating temperature: 175°C (347°F)
- Highly reliable and accurate with built-in intelligence and advanced drilling features
- Reduced MWD operating costs
- Improved battery life
- Piston compensation, without bladder or bellows
- Performance memory and diagnostics
- Standard gamma module mounts directly onto the electronics assembly; thereby, reducing the number of interconnects and length
- Designed end-to-end for hot-hole service and qualified to meet Bench Tree's stringent specifications
- LCM tolerant
- Auto-adjusting pilot valve assembly
- Integrated gamma capability
- Adjustable flow switch
- Add to your legacy MWD fleet and improve drilling service



Specifications

Max operating temperature	175°C (347°F)
Max operating pressure	20,000 PSI (137 MPa)
Vibration	20g Grms, 30 to 1000Hz, random
Shock	1000g 0.5mSec-½Sine
LCM	Tolerant in medium- to high-LCM concentrations
Sand content	<1% by volume recommended
Flow sensor	Vibration - programmable
Connector	Customer defined
Operating voltage	12 to 36VDC
Memory and diagnostics	Large capacity performance memory and diagnostics
Gamma probe	Integrated
Signal transmission	Positive pulse with legacy style lower end
Max pilot valve force	100 lbf (445 N)
OD-housing	1.875 in. (4.76 cm)
Length (bottom of screen housing to connector)	35.12 in. (89.2 cm)
Length with integrated gamma probe	49.25 in. (125.1 cm)

