



1.25" Piezo Memory Tool

Features

- 5.5 Million data sets memory storage to capture and retain larger or multiple data sets
- Customized Piezo sensor with enhanced sealing for increased reliability and reparability
- Metal to metal seals
- Optional side port connector for easy access

Benefits

- Fully Repairable design for easy field serviceability
- Enhanced Software interface for easy programming and quick, reliable data download
- One supplier for service and support resulting in faster repair and calibration turnaround.
- Quartzdyne Reliability

Applications

Reservoir evaluation and well testing

- Drill stem tests
- Slickline operations
- EOR, Enhance Oil Recovery
- Coil tubing convey
- TCP operations and monitoring

Production monitoring

- Pressure and temperature gradient
- Build up and draw down
- Stimulation and Frac monitoring
- Gas lift monitoring



Mechanical	
Configuration	Standard
Length, in [mm]	17.1 [434.34] (with standard battery tube)
Weight	2.85 lbs
Max OD, in [mm]	1.25 [31.75]
Material	Inconel 718 as per NACE MR0175 for Sour Service
Vibration	10 Grms, Random (10-2000Hz)
Tool Coupling	15/16" x 10 (standard 5/8" sucker rod coupling) 3/4" -16 UNF Amerada couplings

Operation	
Scanning rate	0.1s to 18 hours
Memory Capacity:	> 5,500,000 data sets
Power Source	Lithium Battery Pack (150°C)
Operating voltage, V	3.5v to 7.8v – 400+ days of operation with standard battery
Communication	USB and Windows compatible (7, 8, 8.1, 10)

Metrology			
Memory Gauge Option	6,000 psi (41 MPa)	10,000 psi (69 MPa)	15,000 psi (1-103 MPa)
Pressure Range (Calibrated)	ATM to 6,000 psi (1 - 41 MPa)	ATM to 10,000 psi (1 - 69 MPa)	ATM to 15,000 psi (1-103 MPa)
Pressure Accuracy	0.05%, 3 psi at full scale	0.05%, 5 psi at full scale	0.05%, 8 psi at full scale
Pressure Resolution	0.012 psi (0.00008 Mpa)		
Temperature Range (Calibrated)	25°C to 150°C (77°C to 302°F)		
Temperature Accuracy	0.5°C (1.1 °F)		
Temperature Resolution	< 0.01°F (0.5°C)		

▶ **CONTACT QUARTZDYNE** 801-839-1000 • Fax 801-266-7985 • memory@quartzdyne.com