



INVICTUS



WILD FIRE

MUD PULSE MWD

THOUGHTFUL DESIGN PROVEN PERFORMANCE

● ENGINEERING EXCELLENCE.

Our unique system incorporates a high torque, high wear rotary shear valve, ensuring optimal performance in contaminated mud systems and high LCM operations compared traditional MP MWDs.

● FIELD APPROVED.

A simplified tool setup process enables you to install, initialize, and become fully operational in less than 30 minutes. Additionally, the surface system is extremely intuitive and can be mastered in less than 5 minutes.

● LOGISTICS STREAMLINED.

The WildFire ships ready-to-run in a 12ft nonmagnetic high strength stainless steel drill collar and the WildFire Surface System also has a very small footprint that is ideal for crowded workplaces.

● HASSLE-FREE REPORTING.

With our extensive data logging and report generation capabilities - reporting is no longer a bad word around the office. You can easily produce logs and reports in your preferred format such as pdf or csv.

GENERAL SPECIFICATIONS

Tool Size	Flow Rate
4 3/4" (121 mm) with 3 1/2" IF	150 - 350 gpm
6 1/2" (165 mm) with 4 1/2" XH	250 - 650 gpm
8" (203 mm) with 6 3/8" Reg	400 - 850 gpm
9 1/2" (241 mm) with 7 5/8" Reg	600 - 1200 gpm
Nominal Length	8 ft (2.44 m)
Power Supply	Lithium thionyl-chloride high temp batteries
Shock/Vibration Limit	1000 g, 0.5 ms / 8g _{rms} random 50-500 Hz
Maximum Temperature	32° - 302° F (0° - 150° C)
Survival Temperature	-40° - 329° F (-40° - 165° C)
Pressure Rating	15,000 psi
Pressure Drop	~50 psi @ 350 gpm water
LCM Tolerance	60-80 ppb medium nut plug, premixed
Sand Content	<5%, <2% optimal
Survey Operation Process	Pumps off for 60 sec, Pumps on for 3 min

TELEMETRY SPECIFICATIONS

SUREFIRE	WILDFIRE	WILDFIRE PRO	Parameter	Value
			Inclination Sensor Accuracy	± 0.2° / ± 0.05°
			Inclination Range & Resolution	0°- 102.3° / 0.1°
			Azimuth Sensor Accuracy	±1.5° (>5° Inclination) / ±0.5°
			Azimuth Range & Resolution	0°- 359° / 1°
			Tool Face Update Frequency	15 - 20 seconds
			Additional Data Obtained	Battery Hours, Tool Temp, Dip Angle, Total Gravity Field (TGF), Total Magnetic Field (TMF), 6-Axis Raw Survey Data in Memory (Upon Request)

INVICTUS SURVEYING SIMPLIFIED



INVICTUS

TOOLS

SURVEYING SIMPLIFIED

CONROE

410 S. Trade Center Pkwy
Suite A12
Conroe, TX 77385
713.416.2393

PERMIAN

2601 West 83rd Street
Odessa, TX 79764
432.212.2226

FORT WORTH

4290 E FM 1187 Suite 100
Burleson, TX 76028
817.631.3554

