

DITCH WITCH® ELECTRONICS

750/752 GUIDANCE SYSTEM



The Ditch Witch® 752 tracker and display are as durable as they are dependable in providing bore-path data. As part of our comprehensive tracking system, the tracker and display's primary purpose is to detect and communicate the downhole tool's roll, pitch and depth to the drill rig operator. Designed for the international market, the 750 tracker and display have the same durability and dependability. Trust our 750/752 systems as the best general-purpose guidance system to look out for your best interests.

KEY FEATURES

Innovative design sets Ditch Witch guidance systems apart from the competition.

Ditch Witch 750/752 trackers are designed for fast-paced bore operations that require frequent movement of the tracking system, all day long and in all weather conditions.

The water- and shock-resistant tracker is made with high-impact plastic that is field-proven and reliable.

Ditch Witch guidance systems offer a dual-frequency option to help see through interference from rebar, power lines and other sources of unwanted signal generation and distortion.

The dual-frequency system allows you to change frequencies downhole and on the fly, so you don't have to interrupt the bore's progress.

The display can receive data up to 2000 feet (619 m), store up to ten jobs of 254 pipes each, and provide downloads to the TMS Plus system.

The 750/752 tracker's unique peak location mode utilizes arrows to make beacon tracking faster and easier.

Beacon information is displayed rapidly with minimal averaging, resulting in rapid drill-head locate speed.

The 750/752 tracker provides comprehensive guidance data for shallow bores, deep bores, or a combination of the two, using walkover beacon tracking, remote guidance and line-locating capabilities.

Tracker control allows the 750/752 tracker to disable thrust and rotation on Mach 1 series Ditch Witch drills, for safer downhole tool changes and other drill string access needs.

The Ditch Witch organization supports all of its products with superior-quality parts, service and training, all available from a worldwide network of Ditch Witch dealers.



SPECIFICATIONS

750/752 TRACKER

U.S.

METRIC

Length	12.8 in	325 mm
Height	31.5 in	800 mm
Width	6 in	150 mm
Operating weight	5.5 lb	2.5 kg
Operating temperature range	-4° F to 122° F	-20° C to 50° C
Antenna configuration	Peak	
Operating modes	12 K beacon, 29 K beacon, 60 Hz power, 50 Hz power, 8 kHz line	
Line location depth estimate tolerances*		
Active mode		
± 3% @	10 ft	3 m
Passive mode		
± 5% @	6 ft	1.8 m
± 10% @	10 ft	3 m
Battery type	6 C-cell alkaline	
Battery life	Approximately 20 hours (continuous use at 70° F/ 21° C)	
Battery saver	Unit shuts off after 5 minutes if no key is pressed	
Radio type	9-channel, dual-conversion, narrow-band FM	
Frequency range	420 mHz - 470 mHz	
Sensitivity	110 dBm for 12 dB sinad (typical)	

750/752 DISPLAY

Module only			
Operating weight	2.5 lb	1.1 kg	
Power input	6.5V DC to 16V DC at approximately 150 mA		
Interface connectors	DB-15P (D-series subminiature male)		
Module with case			
Operating weight	6.5 lb	3 kg	
Battery type	6 C-cell alkaline		
Interface connectors	MS5015 (7 pin)		
Antenna configuration	TNC female		

*Units are calibrated to these tolerances under test field conditions. Actual field conditions may cause signal distortions or may contain noise sources which result in depth estimates that vary from these figures.

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

