

# DigiTrak® F2®



## Directional Drilling Locating System



- Two different transmitter frequency options
- Streamlined graphic display and intuitive picture-driven menu structure
- Rechargeable lithium-ion battery technology for the longest battery life in its class
- Roll offset adjusts transmitter's clock to match drill head's clock
- Update meter displays data transfer rate
- Left/right and up/down *Target Steering*®
- Off-track guidance can be used when walk-over locating is not possible

The DigiTrak® F2® Directional Drilling Locating System combines new lithium-ion battery technology with DCI's patented 3D antenna configuration to offer the longest-lasting, easiest-to-use HDD tracking device available. The F2® system also has an intuitive picture-driven menu structure and an increased depth range.

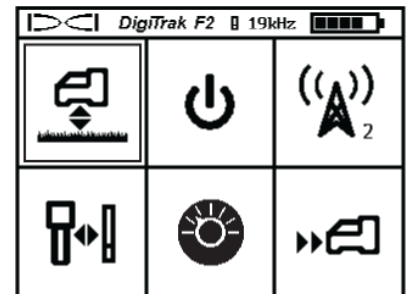
The 3D antenna enables *target-in-the-box*® locating with a bird's-eye view that allows you to walk directly to a locate point from any direction. The patented antenna configuration also enables DCI's exclusive *Target Steering*® function, which makes up/down, left/right remote steering possible.

The update meter included on the F2® display shows the relative rate at which data is being obtained from the transmitter or receiver. The receiver's update meter shows the roll/pitch update rate from the transmitter, and the remote display's update meter shows the telemetry data rate from the receiver.

The picture-driven menu system removes language as a barrier to using the system anywhere in the world. The menu structure is easily navigated using a single trigger switch.

When using a nonfixed housing, the roll offset feature allows the transmitter's 12 o'clock position to be electronically compensated to match that of the drill head's 12 o'clock position.

The F2® system offers five transmitter options: the mini at 12 kHz, which is rated to 15 ft (4.6 m); the standard at 12 or 19 kHz, which is rated to 65 ft (19.8 m); and the long-range at 12 or 19 kHz, which is rated to 85 ft (25.9 m). The F2® transmitters have the same dimensions as other DigiTrak® transmitters, so tooling adjustments are not necessary for current DigiTrak® users.



Receiver Menus



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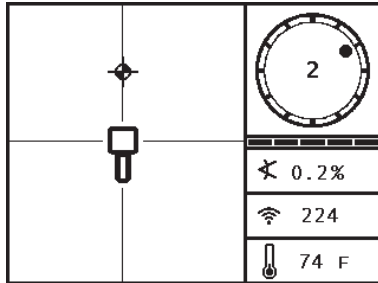
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# DigiTrak® F2®

## F2® Receiver and FSD™ Remote

Contributing to the F2® system's award winning qualities, the graphic display on both the F2® receiver and the FSD™ (F Series™ Display) remote are designed to be as viewer friendly as possible.

The tracking display on the receiver shows a bird's-eye view of the transmitter's position next to a panel that displays the transmitter's signal strength, status, and orientation.

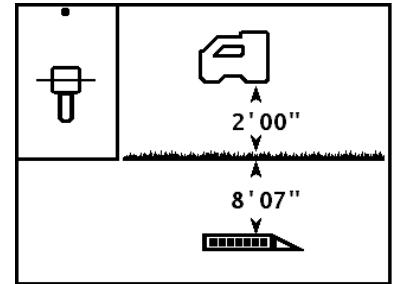


**Tracking Display**

When a depth reading is taken, the depth display shows a side view of the drill head along with the bird's-eye view, which appears in the upper left corner. This means that the transmitter's location is shown in three dimensions on the same screen. Depth readings can be taken over the tool, and predicted depth readings can be taken at the front locate point (FLP). The predicted depth feature allows for tracking

“on-the-fly” over a level drill path.

The FSD™ remote's main display is similar to that of the receiver, except the main portion of the screen is dedicated to the transmitter's roll clock. When a depth reading is taken at the receiver, the FSD™ remote's screen changes to show the depth in place of the clock circle, which then appears in the upper right portion of the screen.



**Depth Display**

The FSD™ remote will work with any compatible† DigiTrak® receiver. If you own a DigiTrak® Multi-Function Display (MFD®), it can be upgraded to work with the F2® receiver.

†Compatibility is a function of local frequency licensing requirements.

### F2® Receiver Specifications

Model number.....	F2R
Frequency.....	12 or 19 kHz
Power source.....	Lithium-ion battery pack
Battery life.....	10-14 hr (approx.)
Battery charger*.....	12 V DC
Functions.....	Menu driven
Controls.....	Trigger switch
Graphic display.....	LCD
Audio output.....	Beeper
Telemetry range**.....	1800 ft (550 m)
Telemetry channels.....	4 channels
Operating temperature.....	-4°F to 140°F -20°C to 60°C
Accuracy.....	±5% absolute
Height.....	11 in. (27.94 cm)
Width.....	5.5 in. (13.97 cm)
Length.....	15 in. (38.1 cm)
Weight (with battery).....	7.7 lb (3.5 kg)

### FSD™ Remote Specifications

Model number.....	FSD
Power source.....	Lithium-ion battery pack/12 V DC
Battery life.....	14-18 hr (approx.)
Battery charger*.....	12 V DC
Controls.....	Five-button touch pad
Graphic display.....	LCD
Audio output.....	Beeper
Telemetry range**.....	1800 ft (550 m)
Telemetry channels.....	4 channels
Operating temperature.....	-4°F to 140°F -20°C to 60°C
Footprint.....	9.5 in. x 7.6 in. (24.13 cm x 19.3 cm)
Height.....	8.5 in. (21.6 cm)
Weight (with battery).....	6.2 lb (2.8 kg)

\* The battery charger system includes an AC/DC adapter that requires 100-240 V AC.

\*\* The telemetry range can be increased with an optional external antenna.



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