

DigiTRAK® F5™

Directional Drilling Locating System



- Five frequency options for maximum interference reduction
- Dual-frequency transmitters allow in-ground frequency change
- DataLog® LWD (Log-While-Drilling) option with Bluetooth technology
- Pilot hole fluid pressure monitoring capability*
- Compatible with SST® steering tool and TensiTrak® monitoring system

The DigiTrak® F5™ Directional Drilling Locating System represents the most advanced in DCI's new F Series™ line of locating systems. Evolving from 5 years of development efforts and 20 years of HDD locating experience, the F5™ incorporates and improves upon DCI's Eclipse® locating technology, which has become the industry standard.

The F5™ system also incorporates DCI's patented 3D antenna technology, *target-in-the-box*® locating, and intuitive picture-driven menus, with new colorful and easy-to-use graphics. A four-way toggle switch below the display makes operation simple.

The increased versatility of the F5™ system includes five unique frequency options, providing the capability to overcome most interference problems and to locate to depths of 85 feet (25.9 m). Two dual-frequency transmitters are available that allow you to switch from one frequency to another while the transmitter is in the ground—a valuable time-saving feature. The F5™ system can also use the F Series™ transmitters made for the F2® system and the 12-kHz DucTrak™ transmitters.

The F5™ system also can be used for data logging with the DigiTrak LWD™ (Log-While-Drilling) System. Built-in Bluetooth technology transfers the data from the F5™ receiver to a PC, where a variety of options are available for analyzing, displaying, printing, and storing data. While drilling, the F5™ system allows you to view (scroll through) all data logged by the F5™ receiver, not just the real-time data.

The F5™ system is compatible with DCI's TensiTrak® pullback and pressure monitoring system. The F5™ system also allows you to see fluid pressure in real time when drilling pilot bores.



**DataLog® LWD
Setup Screen**



Headquarters
19625 62nd Ave. S., Suite B-103
Kent, Washington 98032 USA
Tel 800-288-3610 / 425-251-0559
Fax 253-395-2800
E-mail DCI@digital-control.com

Europe +49-9394-990-990 | DCI.Europe@digital-control.com
Australia +61-7-5531-4283 | DCI.Australia@digital-control.com
India +91-11-4507-0444 | DCI.India@digital-control.com
China +86-21-6432-5186 | DCI.China@digital-control.com
Russia +7-843-277-52-22 | DCI.Russia@digital-control.com

www.digitrak.com

DigiTrak® F5™

F5™ Receiver and FSD™ Remote

The F5™ system brings a new level of intuitive graphics to locating, along with other features that streamline the locating process. The colorful graphics on the F5™ receiver display are easy to navigate and use, especially with the new four-way thumb toggle.

The F5™ locating display gives a bird's-eye view of the positions of the receiver and transmitter, and includes a 24-position roll clock. Pilot hole fluid pressure data is also provided, along with the transmitter's pitch, signal strength, and temperature.



Target Steering® Setup Menu and Receiver Display



F5™ Receiver Main Menu

Locating Display with Fluid Pressure Data

The *Target Steering*® function allows you to see the actual distance and depth of the transmitter while steering to the target. Improved graphics also make this function very easy to set up and operate.

The F5™ receiver is compatible with the FSD™ (F Series™ Display) remote. It can also be used with a DigiTrak® Multi-Function Display (MFD®), although a software upgrade may be required. The menus and display screens on the FSD™ and MFD® remotes are very similar to those on the F5™ receiver, although they are not in color.

Both the F5™ receiver and the FSD™ remote can only be powered by DigiTrak® lithium-ion battery packs. They are provided with the system, along with a battery charging system.

F5™ Receiver Specifications

Model number.....	F5R
Frequency.....	1.3, 8.4, 12, 18.5, or 19.2 kHz
Power source.....	Lithium-ion battery pack
Battery life.....	8–12 hr (approx.)
Battery charger.....	12 V DC or 100-240 V AC
Functions.....	Menu driven
Controls.....	Trigger and toggle switches
Graphic display.....	Full-color 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).....	8.0 lb (3.63 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 or 100-240 V AC
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)

*Pending regulatory approval.



Headquarters
 19625 62nd Ave. S., Suite B-103
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