



# Falcon F5 Guidance System

## The Industry's Most Advanced Locator

The DigiTrak **Falcon F5**® is DCI's flagship locator, offering greatest interference fighting capability, and the greatest depth and data range of DCI's products.

The Falcon F5 uses the highest and lowest frequencies in the industry to overcome both active and passive (rebar) interference along the bore path. The Falcon F5 also offers Log-While-Drilling (LWD), fluid pressure monitoring, and integrated GPS as an option.

## One Locator for All Your Jobsites

Falcon F5 uses over 1000 frequencies to overcome interference. Competitors offer at most 10. Falcon F5 selects the 25 best frequencies to use simultaneously. Competitors only use one at a time.

Each additional frequency in the Falcon F5 is an opportunity to get the job done on the first pass.

## Features at a Glance

- Scans 1000+ of the highest and lowest frequencies used in the industry
- Sub-K™ Rebar beats passive interference with ultra-low frequencies
- Full scale 0.1% precision pitch
- Monitors down hole fluid pressure
- *MAX Mode* boosts data range and stabilizes depth readings
- New Falcon V2 transmitters with MultiPower mode
- DataLog with iGPS

## More Effective against Active Interference

Falcon F5 transmitters are versatile for all types of active interference at frequencies of 4.5–45 kHz. New V2 transmitters feature three power modes to strengthen the signal for deeper bores or extend battery life.

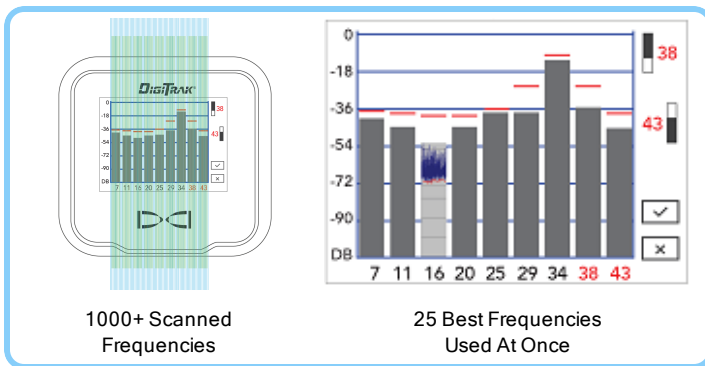
## Cut thru Passive Interference

**Falcon F5 with Sub-k™ Rebar** uses the ultra-low frequency range of 0.33–0.75 kHz. This range is proven to be most effective for jobsites with passive interference such as rebar reinforced sidewalks, roadways, or runways.

## Real-Time Data Logging and GPS Tracking

View the real-time progress of the bore and collect required data with the free **Log-While-Drilling (LWD)** Mobile app. Snap on the **DigiTrak™ iGPS module** to record GPS data while logging the bore. View the iGPS locate points on your smart device.

Subscribe to **DigiTrak DataLog Management (DDM)** to store, share, and manage your datalogs in the cloud.



We divided 1000+ frequencies into 9 bands to help you choose the best frequencies to use. If conditions change, switch mid-bore to a second band.

For extreme interference, engage *MAX mode* to stabilize readings and increase depth and data range.

## Remote Displays and Advanced Steering

Falcon F5 can be used with either the Aurora or the FCD remote displays.

With **Aurora® Touchscreen Display** you can use *Target Steering* to place the Falcon F5 locator ahead of the drill head as a target with left/right and up/down navigation.

**Falcon Compact Display (FCD™)** is a rugged, entry-level display that allows the drill rig operator left/right remote steering with data for the range of the transmitter.

## Protect Your Investment

With *LOC™ security* enabled on your Falcon locator, your master code locks out unwanted users. For more information, contact Customer Support.

## Customer Service and Technical Support

Get free 24/7 customer service and technical support across the whole product line.

Master your equipment with step-by-step instructions in the **DCI DigiGuide™** App for smart devices, or watch tutorials from the extensive Digital Control video library on YouTube.

## DCI Warranty

Industry first usage-based transmitter warranty: 3 years or first 500 hours of use, whichever comes first. Extended 5-year/750-hour warranty coverage available.

Falcon 8-in transmitters have a 90-day warranty.

Falcon locators, remote displays, software, and battery products have a 1 year warranty.

For more information, contact Customer Support.

## Transmitter Specifications

See the separate Falcon F5 Transmitter Specification Sheet for details on the various transmitters options.

## Falcon F5 Locator Specifications

Product ID .....	FF5
Model number .....	FAR5
Receiving frequencies .....	0.33–45.0 kHz
Accuracy <sup>1</sup> .....	5%
Pitch resolution .....	0.1% at level, decreasing with increased pitch
Telemetry channels <sup>2</sup> .....	4
Telemetry range <sup>3</sup> .....	Up to 3000 ft
Target steering range <sup>4</sup> .....	35 ft
L/R steering range .....	Range of transmitter
Power source .....	Lithium-ion battery pack
Battery life .....	8–12 hrs
Functions .....	Menu-driven
Controls .....	Trigger and toggle switches
Graphic display .....	Full-color LCD
Audio output .....	Beeper
Voltage, current .....	14.4 VDC nominal, 390 mA max
Operating temperature .....	-4 to 140° F
Dimensions .....	11 x 5.5 x 15 in.
Weight (with battery) .....	8.4 lb

<sup>1</sup> Over specified depth range for each transmitter model.

<sup>2</sup> Local telemetry frequencies and power levels available at digital-control.com.

<sup>3</sup> Telemetry range is dependent upon the remote display and external receiving antenna.

<sup>4</sup> Requires an Aurora Display.

## Aurora Touchscreen Display Specifications

Product ID and model number .....	AF8, AF10
Power source - cabled .....	10–28 VDC
Current .....	1.75, 2.1 A maximum
Controls .....	8.4, 10.4 in. touchscreen
Graphic display .....	LCD
Audio output .....	Speaker
Telemetry channels <sup>1</sup> .....	4
Telemetry range <sup>2</sup> .....	Up to 3000 ft
Operating temperature .....	-4 to 140° F
Dimensions <sup>3</sup> .....	9.8 x 6.6 x 3.2, 11.5 x 9.3 x 2.3 in.
Weights .....	4.3, 6.4 lb

<sup>1</sup> Local telemetry frequencies and power levels available at digital-control.com.

<sup>2</sup> Telemetry range is dependent upon the receiver and optional external receiving antenna.

<sup>3</sup> Dimensions do not include external mounting hardware.