DIGITRAK FALCON F5®
iGPS®: Integrated GPS Module

Features

- Small, lightweight, hands-free GNSS receiver designed for the Falcon F5
- Direct power/data connection to the Falcon F5
- Provides up to sub-meter resolution in North America with no correction service fees
- GNSS data is integrated with LWD data and viewable in LWD Mobile and LWD 3.04
- LWD Mobile data is viewable on both Android and Apple smart phones
- Supports White Lining on the job site

Professional Grade Positioning

The DigiTrak® iGPS® module is a lightweight and fully integrated GNSS receiver that provides positioning information directly to the DigiTrak Falcon F5® walkover locating system. iGPS is purpose-built for HDD field applications where above-ground location data must be seamlessly integrated with underground locating data.

Capturing an accurate representation of the bore location is a requirement for public utilities and private companies installing underground assets. The iGPS module powers up immediately upon attachment to the Falcon F5 receiver and adds GNSS data to every logged depth reading. The data is viewable in table format and can be exported as a KML file for overlay in Google Earth.

Upgrade your existing Falcon F5 receiver to accept iGPS or order your new Falcon F5 iGPS-ready.

[1] See Important Safety Instructions in the iGPS Supplement A to the DigiTrak Falcon F5 owners manual. Stated GNSS accuracy reflects use of iGPS with the Falcon F5 in North America using WAAS correction. The accuracy of GNSS readings may be less than the design specification due to factors such as weather, obstruction from trees, buildings and other impediments, interference, or in geographies outside of North America.

Specifications

Product ID	iGPS
Operating frequency	1572 MHz
Power source	Falcon F5 Receiver
Graphic display	4 LEDs
GNSS accuracy (North America)[1]	<1 m
GNSS accuracy (outside North America)[1]	2–2.5 m
Dimensions	8.8 x 5.7 x 1.4 in.
Weight	0.5 lb

INTRODUCING iGPS® FOR THE FALCON F5

EASY TO USE

HANDS-FREE DESIGN

INTEGRATED GPS DATA

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What is White Lining?

The White Line feature lets iGPS users visually superimpose a variety of colored line styles onto a Google Earth map. Use iGPS White Lining for marking:

- Proposed drill paths
- Existing and proposed adjacent drill paths
- Existing or proposed pot holes or day lighting locations
- The actual drill path after pilot drilling or product installation
- Surface reference points or objects of interest, such as survey points or reference hubs, curbs, roadways, and above-ground utilities
- Existing or proposed subsurface utilities
- Known or expected changes in soil or geological conditions
- Drill site set up: location of the drill rig, axillary mud tanks, mud reclaimer, product pipe, pipe fuser, pipe welder, HDPE reels, where the assembly product should be placed prior to the final ream and product pull back, and traffic control
- Drill path offsets or deviations

GNSS	Global Navigation Satellite System (global)
GPS	Global Positioning System (USA)
KML	Keyhole Markup Language
SBAS	Satellite Based Augmentation System
WAAS	Wide Area Augmentation System