

# DigiTRAK<sup>®</sup> Mark III

## Directional Drilling Locating System



For sales and service contact your local dealer:

**TRENCHLESS**  
UTILITY EQUIPMENT INC.

Trenchless Utility Equipment Inc.  
2070 Queensway Drive,  
P.O. Box 1338 Burlington, ON L7R 4L9  
Ph: (905) 634-0669 Fax: (905) 634-6685  
info@trenchlessutility.com

- Depth prediction capability
- No ghosts or false locates
- Left/Right remote steering
- Locates over obstacles
- In-ground calibration
- Off-Track guidance
- Simple one button operation
- Continuous depth display
- Upgradeable to the Cable System
- DataLog<sup>®</sup> mapping capability

The DigiTrak<sup>®</sup> Mark III locating receiver is the most widely used directional tracking receiver in the world. The **Mark III** receiver incorporates features that were pioneered in the directional drilling industry by Digital Control Incorporated. Innovations introduced by DCI include a compact design, pitch and roll data, sensitive pitch transmitters for gravity sewer installations, remote steering with a receiver, and above-ground calibration for greater depth accuracy. The unique ultrasonic feature allows separation from in-ground interference sources and enables below-ground calibration. A complete self diagnostic feature assists the operator by confirming proper operation.

The patented locating system results in a compact and lightweight design which makes locating over and around obstacles easier than with any other type of receiver. Internally, the **DigiTrak<sup>®</sup> Mark III** receiver is of a modular design which along with the self-diagnostic function facilitates fast and simple maintenance.

Advanced internal shielding and the unique x-antenna configuration produce accurate readings over a considerable range.

Unique features such as front and rear locate points allow the operator to accurately track the direction of the drillhead reducing oversteering. The locate points also allow for independent confirmation of depth by using the known mathematical relationship between the locate points, pitch and depth.

Advanced drillers can take advantage of off-track guidance when access over the drillhead is limited due to interference or physical obstacles.

The patented design also allows the drillhead to be tracked while it is moving. This ability to locate on the fly minimizes or eliminates idle time for the drill rig resulting in greater production and increased efficiencies.

The DigiTrak<sup>®</sup> Mark III locating system is also compatible with the DataLog<sup>®</sup> mapping system. The Mark III can also be upgraded to any later model Mark series locator.



**DCI<sup>®</sup>** DIGITAL  
CONTROL  
INCORPORATED

425 S.W. 41st Street  
Renton, Washington 98055 USA  
800-288-3610 / 425-251-0559 i Fax 425-291-0005  
E-mail dci@digital-control.com i [www.digitrak.com](http://www.digitrak.com)



## DigiTrak® Mark III Receiver

### Features

- ◆ Depth prediction firmware provides the locator with estimated depth at the front locate point.
- ◆ Robust, upgradable design.
- ◆ Easy-to-learn locating technique that leads you to the transmitter or locate point.
- ◆ Enhanced locating features built upon an accurate, proven design.
- ◆ Simple one-button, single-hand operation.
- ◆ No ghosts or false locates.
- ◆ Smooth auto-gain changes are transparent to the operator.
- ◆ Rechargeable NiCad batteries power the receiver.
- ◆ Patented calibration procedure offers superb accuracy and the ability to recalibrate while drilling.
- ◆ Left/right steering indicator allows remote steering from the drill rig.
- ◆ Fast data updates increase drilling efficiency.
- ◆ DataLog® and cable system compatible.

### Specifications

Model number .....	DR, DRR
Frequency .....	33 kHz
Power source .....	DigiTrak® NiCad battery pack
Battery life .....	8-12 hr (approx.)
Battery charger .....	12/28 V DC or 110/220 V AC
Depth/range .....	up to 140 ft (42.7 m)
Depth display .....	Real time
Controls .....	Trigger switch
Graphic display .....	LCD
Audio output .....	Beeper
Telemetry range .....	2000 ft (610 m)
Operating temperature range .....	-4F to 140F -20C to 60C
Depth accuracy .....	±5% absolute
Height .....	11 in. (27.9 cm)
Width .....	5 in. (12.7 cm)
Length .....	13.5 in. (34.3 cm)
Weight (w/ battery) .....	8.7 lb (3.9 kg)
Sleep mode .....	After 15 min

---

## DigiTrak® Mark III Remote Display

The DigiTrak® Mark III Remote Display features an easy-to-read graphic display for quick and easy interpretation of drilling data. The remote display provides the drill operator with the pertinent data from the Mark III receiver, and it can obtain information with the receiver as far as 2000 ft (610 m). The information viewed on the remote display includes depth, pitch, roll, transmitter temperature, and battery status. The remote display is powered by the same DigiTrak® NiCad battery as the DigiTrak® receiver.

The remote display has four channel setting options, so multiple receivers can be run in a restricted geographical area. The remote display also has a centering bar graph to track remote left/right steering when walkover locating is not possible. The graph will display the left/right deviation of the intended target heading. This feature is great for highway, small river, and railway crossings.

The remote display is DataLog® capable for mapping your bores and can be upgraded to the cable function.

### Specifications

Model number .....	DD,DDC
Frequency .....	33 kHz
Power source .....	DigiTrak® NiCad battery pack
Battery life .....	8-12 hr (approx.)
Battery charger .....	12/28 V DC or 110/220 V AC
On/Off Controls .....	Push button
Graphic display .....	LCD
Telemetry range .....	2000 ft (610 m)
Telemetry channels .....	4 channels
Telemetry controls .....	Knob
Operating temperature range .....	-4F to 140F -20C to 60C
Height .....	4.6 in. (11.7 cm)
Width .....	3.5 in. (8.9 cm)
Length .....	10.0 in. (25.4 cm)
Weight (w/ battery) .....	4.1 lb (1.8 kg)



425 S.W. 41st Street  
Renton, Washington 98055 USA  
800-288-3610 / 425-251-0559 i Fax 425-291-0005  
E-mail dci@digital-control.com i [www.digitrak.com](http://www.digitrak.com)