



# TK RECON™ SERIES

## HDD GUIDANCE SYSTEM

The Subsite® TK RECON Series HDD Guidance System features proven TK performance with dual locating methods (walkover and DrillTo™) and a depth range of up to 110 feet (33.5 m). Plus, new features including more battery choices than the competition and improved radio performance with increased interference immunity and faster information transfer let you be more productive and efficient on every jobsite.

### KEY FEATURES

- ⌘ Choose Li Ion, NiMH, or off-the-shelf “C” Alkaline batteries for flexibility of cost and better performance in colder climates.

  - Li Ion batteries are rechargeable and deliver twice the battery life of Alkaline.
  - “C” battery capability offers a convenient “safety net” should you forget to recharge batteries or lose charge on the jobsite.
- ⌘ Robust radio offers increased interference immunity and faster information transfer for more efficiency on the jobsite.
- ⌘ Louder speaker is clear even in high ambient noise areas, providing an additional peak locating method—by number or sound.
- ⌘ Walkover tracking up to 110 feet with standard-size beacons (15" and 17") is deeper than anything else available. The long 2,000-foot range between the tracker and drill operator helps keep you more productive.
- ⌘ Communicate with the tracker, update TK & TD software, and download bore information into TSR mobile with Android® or iOS (iPhone® / iPad®) mobile devices.
- ⌘ Integrated Compass allows users to determine the magnetic heading of the tracker and the tool head (beacon) for faster orientation.
- ⌘ Two locating methods let you use your preferred method of locating, while using the second method to verify your results.

  - Walkover enables the operator to pinpoint drill head location with peak and null techniques.
  - Time-saving DrillTo™ mode enables the drill operator to make real-time corrections to improve bore accuracy or avoid obstacles.
- ⌘ TSR Mobile software provides As-Built report of completed bore path. Bore-path analyzer software shows which frequency works best for your particular job and conditions.



**SUBSITE®**  
ELECTRONICS  
subsite.com



## TK RECON™ SERIES HDD GUIDANCE SYSTEM

Proven TK performance cuts through interference and the simple, four-button layout is easy to learn and simple to use.

### TK RECON SERIES HDD GUIDANCE SYSTEM SPECIFICATIONS

#### TRACKER

Dimensions	13 x 7 x 30 in. (330 x 178 x 762 mm)
Weight (with battery)	9 lbs (4.1 kg)
Operating temperature	-4 to 140°F (-20 to 60°C)
Environmental rating	IP65
Power source	C-Cell alkaline or NiMH rechargeable or Inspired Energy NB2038 Li Ion rechargeable
Battery life	10-16 hours
Display	Hi-resolution graphic
Audio output	Speaker
Telemetry range	2000 ft (610 m)
Telemetry channels	8
Accuracy	+/- 5% over testable range

#### TK RECON1™

Receiving frequencies	29 kHz
Depth with B pwr beacon (max)	45 - 50 ft (13.7 - 15.2 m)
Depth with H pwr beacon (max)	50 - 60 ft (15.2 - 18.3 m)
Depth with X pwr beacon (max)	65 - 70 ft (19.8 - 21.3 m)

#### TK RECON2™

Receiving frequencies	12 or 29 kHz
Depth with B pwr beacon	50 - 80 ft (15.2 - 24.3 m)
Depth with H pwr beacon (max)	60 - 95 ft (18.3 - 28.9 m)
Depth with X pwr beacon (max)	70 - 120 ft (21.3 - 36.5 m)

#### TK RECON4™

Receiving frequencies	1.5, 12, 20 or 29 kHz
Depth with B pwr beacon (max)	15 - 80 ft (4.7 - 24.3 m)
Depth with H pwr beacon (max)	35 - 95 ft (10.7 - 28.9 m)
Depth with X pwr beacon (max)	40 - 120 ft (12.2 - 36.5 m)

Depth Range numbers are based on the minimum and maximum of the individual tracker's receiving frequencies, using 15T, 17T, and 19T beacons

#### DISPLAY

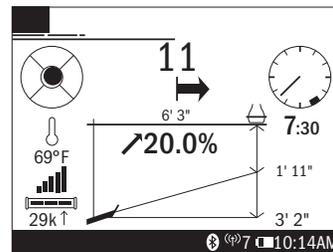
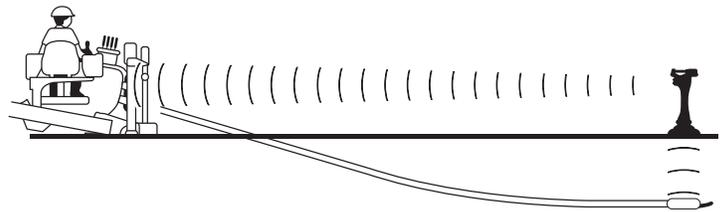
Operating temperature	-4 to 140°F
Environmental rating	IP65
Power source	Powered off the HDD unit power
Display	Hi-resolution graphic
Telemetry range	2000 ft (610 m)
Telemetry channels	8

#### TDR RECON REMOTE DISPLAY

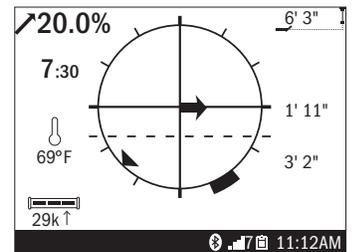
Dimensions	6 x 6 x 6 in. (152.4 x 152.4 x 152.4 mm)
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#### TD RECON IN-DASH DISPLAY

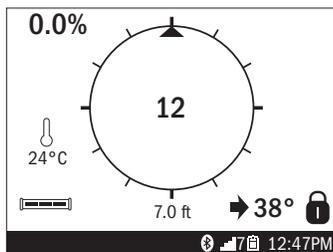
Dimensions	7 x 7 x 6.5 in. (177.8 x 177.8 x 165.1 mm)
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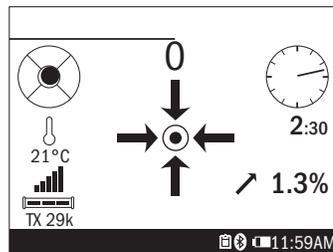
DrillTo™ Tracker Screen



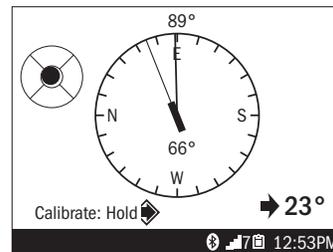
DrillTo™ Remote Display Screen



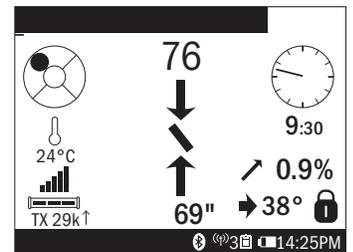
Remote Display Screen Walkover



Walkover Null Locate



Magnetic Compass Display



Walkover Peak Locate

