



All-New
Architecture
Design



Intelligent
Deep Comput-
ing



High-Precision
GPS CM-Level Po-
sitioning¹



Full Data Re-
cording, Track-
ing And Sharing



Smart Under-
ground Frequency
Conversion

TERRAPILOT 5

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Compact, practical guidance for routine HDD locating

TerraPilot 5 delivers the essential locating functions for everyday trenchless work, with a focused frequency set, clear drill-head feedback and a straightforward field workflow.

- Five working frequencies: 10 / 12 / 21 / 30 / 41 kHz.
- 24-position roll indication and 0.1% pitch precision.
- Automatic depth-variable calculation for field reference.
- Strong filtering and interference-resistant signal reception.
- Real-time drilling-path visualization and high-precision positioning.

LOCATOR SPECIFICATION SUMMARY

FREQUENCY SET

5 working frequencies • 24 roll positions • 0.1% pitch precision • automatic depth calculation • strong filtering

LOCATING CONTROL

24 roll positions • 0.1% pitch precision • depth, pitch, roll, signal strength, telemetry and battery status.

FIELD FUNCTIONS

Automatic depth-variable calculation • interference filtering • practical drill-head tracking.

REMOTE DISPLAY

Intelligent touchscreen with live locating data, wireless networking and cloud sharing.

TRANSMITTER SPECIFICATIONS

MODE	FREQUENCY	BATTERY LIFE	DATA RANGE	TX TEMP.	SIZE
ST	10 / 12 / 21 / 30 / 41 kHz	90 / 25 h	22 / 38 m	-10 to 80°C	Ø1.25 × 15 in
ET	10 / 12 / 21 / 30 / 41 kHz	55 / 13 h	28 / 52 m	-10 to 80°C	Ø1.25 × 19 in
S20 mini	12 kHz	16340 / 5 h	25 / 35 m	-10 to 80°C	Ø0.8 × 5.9 / 11.8 in
S14 mini	12 kHz	10440 / 3 h	25 m	-10 to 80°C	Ø0.55 × 6.6 in

TRANSMITTER FAMILY

General ST and ET transmitters plus S20 and S14 mini transmitters. TerraPilot 5 uses the shared TerraPilot transmitter family.

FIELD WORKFLOW

- Scan interference → select frequency → match transmitter.
- Calibrate → locate tracking points → verify depth.
- Track the bore → record and share data when enabled.

Professional walk-over locating

Battery life and data range vary with operating conditions. Wireless and cloud functions require network access.