



LOCATOR SPECIFICATION SUMMARY

FREQUENCY SET

0.3–41 kHz multi-frequency coverage • 0.3–5 kHz ULF options • integrated transmitter family

LOCATING CONTROL

Adaptive attitude control • intelligent deep computing • graphic positioning • clear drill-head feedback

FIELD FUNCTIONS

Real-time drilling-path visualization • Super Rebar Mode • advanced anti-interference • local data storage

CONNECTED DATA

Ultra-clear HD touch display • full data logging and tracking • high-precision GPS • 4G/wireless • remote OTA updates

TRANSMITTER SPECIFICATIONS

MODE	FREQUENCY	RUN TIME	DATA RANGE	TX TEMP.	SIZE
ST high power	0.3–41 kHz	22 h	55 m	—	Ø3.15 × 38 cm
ET high power	0.3–41 kHz	20 h	80 m	—	Ø3.15 × 48 cm
ST ULF	0.3–5 kHz	22 h	30 m	—	Ø3.15 × 38 cm
ET ULF	0.3–5 kHz	20 h	45 m	—	Ø3.15 × 48 cm
C12-S mini	12 kHz	5 h	25 m	—	Ø2.2 × 16 cm
C12-L mini	12 kHz	5 h	35 m	—	Ø2.2 × 30 cm
SZ-S mini	2–30 kHz	5 h	28 m (data)	—	Ø2.2 × 16 cm
SZ-L mini	2–30 kHz	5 h	38 m (data)	—	Ø2.2 × 30 cm

TRANSMITTER FAMILY

TerraPilot 50 uses its own integrated multi-frequency and Mini-Track transmitter family: ST, ET, ST ULF, ET ULF, C12-S, C12-L, SZ-S and SZ-L.

FIELD WORKFLOW

- Select the integrated or Mini-Track transmitter mode.
- Calibrate, locate tracking points and verify depth.
- Track the bore, log data and share reports when enabled.

TERRAPILOT 50

Flagship multi-frequency locating with integrated transmitter options

TerraPilot 50 is a flagship multi-frequency locator built for high-information HDD work, combining adaptive attitude control, intelligent deep computing, an ultra-clear HD touch display, graphic positioning, real-time drilling-path visualization, local data storage, GPS positioning, 4G and wireless connectivity, advanced anti-interference, and remote OTA updates.

- 0.3–41 kHz multi-frequency integrated transmitter coverage.
- 0.3–5 kHz ULF options with ST ULF and ET ULF modes.
- Adaptive attitude control, HD touch display and full data logging.
- Super Rebar Mode, high-precision GPS and advanced anti-interference.