The Subsite® UtiliGuard 2 Utility Locating System adds important new capabilities to the original. Automatic integrated data capture provides information that can be used to prove or track performance, compare with benchmarks and provide actionable outcomes to help increase quality, reduce cable strikes and increase productivity across multiple crews. Integrated GPS positioning improves accuracy and reporting. As a result, UtiliGuard 2 owners have a clearer understanding of operations activity, locate accuracy and performance.

KEY FEATURES

- The combination of automatic real-time data capture, performance analytics information and integrated GPS provides oversight/proof of locator field activity to:
  - Improve work quality, accuracy and reliability of locate activities
  - Ensure compliance with company standard operating procedures and performance expectations
  - Enable the creation of initiatives that can decrease utility strikes and increase overall productivity
- Apple® and Android™ apps transfer data back to the office from the field via smartphone or tablet for immediate availability
- More intuitive, field-developed user interface improves operator confidence and locate speed
- Keeps all the valuable features of the classic UtiliGuard model, plus more
## UTILIGUARD® 2 UTILITY LOCATING SYSTEM SPECIFICATIONS

### RECEIVER U.S.  | METRIC
--- | ---
**DIMENSIONS** |  
Height, max | 27.2 in 691 mm  
Length, max | 12.8 in 325 mm  
Width, max | 4.8 in 122 mm  
Operating weight, max | 4.8 lb 2.2 kg
**PERFORMANCE** |  
Frequency range | 50 Hz-200 kHz  
Sensitivity | 1 µA at 1 m 33 kHz  
Dynamic range | 145 dB rms/√Hz  
Selectivity | 117 dB
Depth, max autodepth | 20 ft 6 m  
Depth, max forced | 40 ft 12 m
Locate accuracy | ±5% of depth  
Dynamic overload protection | 30 dB (automatic)  
Depth accuracy¹ |  
Line | ±5% to 10 ft ±5% to 3 m  
Sonde | ±5% to 10 ft ±5% to 3 m  
Passive | ±10% to 10 ft ±10% to 3 m
**FEATURES** |  
Custom frequencies | Up to 100 custom frequencies from 256 Hz-83 kHz  
High-contrast graphical LCD |  
DE direction enabled | Any frequency from 256 Hz-10 kHz  
Offset depth (optional) | Measures horizontal and vertical distance to the line  
AIM® (optional) | Measures interference and recommends best frequency  
Fault-finding, DE based (optional) | 263 Hz and 526 Hz  
Power and cathodic protection frequencies | 60 Hz, 120 Hz, 180 Hz, 300 Hz and 540 Hz or 50 Hz, 100 Hz, 150 Hz, 250 Hz and 450 Hz
Language support | 19° user-selectable languages  
Receiver/transmitter communications (optional) | Remotely control transmitter frequency, power level and more  
Bluetooth® GPS connectivity | Class 1 Bluetooth Classic 2.1 module
GNSS | Receiver Type: GPS L1C/A, SBAS L1C/A, QZSS L1C/A, GLONASS L1OF, Beidou B1, Galileo E1B/C  
Accuracy: Horizontal position 10 ft/3 m (2DRMS)
Data storage | Capacity: 1 million records (continuous 10 weeks average, compressed 60 weeks average)¹  
Data transfer | Compatible with My Utiliguard App (Android™, Google™ Play and Apple® App Store)
PC-based configuration | Software updates and configuration can be done by user
BATTERY |  
Batteries | 10 D-Cell (LR20) or optional Li-Ion battery pack  
Battery life | 100 hrs with alkaline/80 hrs with Li-Ion battery pack
**OPTIONAL PLUG-AND-PLAY ACCESSORIES** |  
Fault probe, EML boot, receiver clamp, stethoscope
**ENVIRONMENTAL (RECEIVER AND TRANSMITTER)** |  
Operating temperature | -4°F to 122°F -20°C to 50°C  
Storage temperature | -25°F to 158°F -32°C to 70°C
**TRANSMITTER U.S.  | METRIC
--- | ---
**DIMENSIONS** |  
Height, max | 10 in 254 mm  
Length, max | 12 in 305 mm  
Width, max | 7.8 in 198 mm  
Operating weight, max | 7.8 lb 3.5 kg
**PERFORMANCE** |  
Frequency range | 256 Hz-200 kHz  
Power options | 5 or 12 watt  
Current, max | 500 mA  
Voltage, max | 65V rms
**FEATURES** |  
Custom frequencies (optional) | Up to 100 custom frequencies from 256 Hz-83 kHz  
High-contrast graphical LCD |  
Language support | 19° user-selectable languages  
External 12V power connection (optional) |  
Fault-finding, DE based (optional) | 263 Hz and 526 Hz  
Induction | 16 induction frequencies⁴  
Multi-meter functions (optional) | Power, current, resistance, and voltage  
Dual output (optional) | Remotely select active output (must have optional dual output leads)
Receiver/transmitter communications (optional) | Transmitter remotely controlled by the receiver
BATTERY |  
Batteries | 2 D-Cell (LR20) or commercially available NiMH
Battery life | 20 hrs logging, 50 hrs logging intermittent, 25 hrs non-logging
**OPTIONAL PLUG-AND-PLAY ACCESSORIES** |  
Dual-output direct-connect cables, live power adaptor, 5” clamp, 7” clamp, broadband clamp
**WARRANTY (RECEIVER AND TRANSMITTER)** |  
1 year standard, additional 1 year upon registration
**REGULATORY COMPLIANCE (RECEIVER AND TRANSMITTER)** |  
FCC, IC, CE, RCM

¹ Locators are calibrated, at factory frequencies, to these tolerances under ideal test conditions. Actual operating conditions may have signal distortions or noise sources, which may result in depth estimate errors.
² Languages supported: Chinese, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Italian, Korean, Latvian, Lithuanian, Polish, Portuguese, Russian, Spanish, Swedish.
³ Environmental rating IP65 definition: Dust tight. No ingress of dust. Protected from low-pressure water jets from any direction.
⁴ Induction frequencies: 8.01 kHz, 8.192 kHz, 8.44 kHz, 9.82 kHz, 29.4 kHz, 32.8 Hz, 38 kHz, 44.6 kHz, 65.5 kHz, 78.1 kHz, 80.4 kHz, 82.5 kHz, 83.1 kHz, 89 kHz, 131 kHz, 200 kHz

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.