



UTILIGUARD® 2

UTILITY LOCATING SYSTEM

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	1µA 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 accuracy ¹		
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 ² 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)* *Based on 4 hours use per day	
Data transfer	Compatible with MyUtiliguard App (Android™ Google™ Play and Apple® App Store)	
PC-based configuration	Software updates and configuration can be done by user	

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

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
Environmental	IP65 ³	

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 ² user-selectable languages
External 12V power connection (optional)	
Fault-finding, DE based (optional)	263 Hz and 526 Hz
Induction	16 induction frequencies ⁴
Multi-meter functions (optional)	Power, current, resistance, and voltage
Dual output (optional)	Remotely select active output (must have optional dual output leads)
PC-based configuration	Software updates and configuration can be done by user
Receiver/transmitter communications (optional)	Transmitter remotely controlled by the receiver

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

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.

