

SPECIFICATIONS

UTILIGUARD® UTILITY LOCATING SYSTEM

RECEIVER	U.S.	METRIC
DIMENSIONS		
Height, max	27.2 in	705 mm
Length, max	12.8 in	325 mm
Width, max	4.75 in	150 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	20 ft	6 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	±5% to 3 m

FEATURES		
Custom frequencies (optional)	Up to 100 custom frequencies from 256 Hz-83 kHz	
High contrast graphical LCD		
DE direction enabled (optional)	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	
Cathodic protection frequencies (optional)	50 Hz, 60 Hz, 100 Hz, 120 Hz, 150 Hz, 180 Hz	
Power frequencies (optional)	50 Hz, 60 Hz, 100 Hz, 120 Hz, 150 Hz, 180 Hz	
Language support	17 ³ user selectable languages	
Receiver/transmitter communications (optional)	Remotely control transmitter frequency, power level and more	
Bluetooth® GPS connectivity (optional)	Capture mapping information	
Line direction compass with proportional L/R arrow guidance		
PC based configuration	Software updates and configuration can be done by user	

ENVIRONMENTAL		
Operating temperature	-4-122°F	-20-50°C
Storage temperature	-25-158°F	-32-70°C
Environmental	IP65 ²	

BATTERY		
Batteries	2 D-Cell (LR20) or commercially available NiMH	
Battery life	30 hrs continuous, 70 hrs intermittent	

WARRANTY		
1 year standard, additional 1 year upon registration		

REGULATORY COMPLIANCE		
FCC, RSS 310, CE, Bluetooth, C-Tick		

OPTIONAL PLUG AND PLAY ACCESSORIES		
Fault probe, EML boot, receiver clamp, stethoscope		

TRANSMITTER	U.S.	METRIC
DIMENSIONS		
Height, max	10 in	254 mm
Length, max	12 in	381 mm
Width, max	7.75 in	152 mm
Operating weight, max	7.7 lb	3.4 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		
Fault-finding, DE based (optional)	263 Hz and 526 kHz	
Language support	17 ³ user selectable languages	
Receiver/transmitter communications (optional)	Transmitter remotely controlled by the receiver	
PC based configuration	Software updates and configuration can be done by user	

External 12V power connection (optional)		
Induction	16 induction frequencies ⁴	
Multi-meter functions (optional)	Watts, currents, ohms, and volts	
Dual output (optional)	Remotely select active output (must have optional dual output leads)	

ENVIRONMENTAL		
Operating temperature	-4-122°F	-20-50°C
Storage temperature	-25-158°F	-32-70°C
Environmental	IP65 ²	

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	

WARRANTY		
1 year standard, additional 1 year upon registration		

REGULATORY COMPLIANCE		
FCC, RSS 310, CE, Bluetooth, C-Tick		

OPTIONAL PLUG AND PLAY ACCESSORIES		
Dual output direct connect cables, live power adapter		

¹Locators 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.

²Environmental rating IP65 definition: protected from total dust ingress. Protected from low pressure water jets from any direction.

³Languages supported: English, Spanish, Dutch, Netherlands, French, Russian, Swedish, Italian, Danish, Polish, Estonian, Latvian, Lithuanian, Greek, Czech, Finnish, Chinese.

⁴Induction frequencies: 8.01 kHz, 8.192 kHz, 8.44 kHz, 9.82 kHz, 29.4 kHz, 32.8 kHz, 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.