UM DUAL +10w

MULTI-PLATFORM VERSATILITY

» Showcasing 30 Different Feature Sets

DIRECTIONAL ARROW GUIDANCE

» Pairing the simplicity with power required for any job

ENHANCED PERFORMANCE

» Developed for complexity of the utility infrastructure



UM DUAL + 10w SPECIFICATIONS

RECEIVER

Model	UM Dual
Dimensions	26.7in x 5.8in x 12.7in (679mm x 148mm x 324mm)
Weight	4.8lbs (2.2kg)
Operating Temperature	-4°F to 122°F (-20° to 50°C)
Storage Temperature	-40°F to 160°F (-40° to 70°C)
Environmental	IP65[1]
Batteries	Lithium ion battery pack, 35.5Wh 6x AA (LR6) with Alkaline battery pack Automatic battery type detection
Battery Life	**Lithium:** 14 hours continuous (28 intermittent) **Alkaline:** 4.5 hours continuous (9 intermittent)
Charge Time	2 hours
Display	High-Visibility Color Transflective Display, 4.3”

PERFORMANCE

Frequency Range	50Hz - 200kHz
Max Automatic Depth[3]	19.7 ft (6m)
Max Pushbutton Depth[3]	36 ft (11m)
Accuracy (Locate)	+/- 5% of depth
Accuracy (Depth)[3] - **Line** - **Sonde** - **Passive**	 +/- 5% to 9.8ft (3m) +/- 5% to 9.8ft (3m) +/- 10% to 9.8ft (3m)
Sensitivity:	$1x10^{-15}$ Tesla (1uA @ 1m, 32.8kHz)
Automatic overload protection	Up to 60dB

FEATURES

Locate Modes	Single Twin Null Sweep (Omnidirectional) Twin Sweep (Omnidirectional)
Gain Control	Manual with One Touch
Active Locate Frequencies	**Standard Frequencies:** 256Hz, 263Hz, 440Hz, 512Hz, 560Hz, 577Hz, 640Hz, 815Hz, 870Hz, 940Hz, 1.02kHz, 1.17kHz, 3.14kHz, 4.1kHz, 8.01kHz, 8.19kHz, 9.82kHz, 12.1kHz, 16.3kHz, 22.5kHz, 29.4kHz, 32.8kHz, 44.5kHz, 66.1kHz, 88.8kHz, 99kHz, 132kHz, 200kHz
Custom Frequencies	Available by request
Sonde Frequencies	**4 Frequencies:** 512Hz, 640Hz, 8.19kHz, 32.8kHz
Passive Frequencies	**Power** - 50Hz, 150Hz, 450Hz for 50Hz grid - 60Hz, 180Hz, 540Hz for 60Hz grid **Grouped Power:** Detects power frequencies and harmonics simultaneously **Cathodic Protection (CP)** - CP120 for 60Hz grid - CP100 for 50Hz grid **Radio:** 13kHz to 28kHz
Locate Direction	Automatically detected, 515khz to 10kHz
Data Logging	4Gb internal storage, over 16 million records
Wireless Connections	BLE 5.1
Accessories	Ring Clamp

TRANSMITTER

Model	UM 10w
Dimensions	8.3in x 7.6in x 15in (210mm x 193mm x 381mm)
Weight	7.9lbs (3.6kg)
Operating Temperature	-4°F to 122°F (-20° to 50°C)
Storage Temperature	-40°F to 160°F (-40° to 70°C)
Environmental	IP65[1]
Batteries	Lithium ion battery pack, 94.7Wh 8x D-Cell (LR20) with Alkaline Pack Automatic battery type detection
Battery Life	**Lithium:** 17 hours continuous (34 intermittent) **Alkaline:** 10 hours continuous (20 intermittent)
Charge Time	4 hours
Display	High Contrast Graphical LCD

PERFORMANCE

Frequency Range	256Hz - 200kHz
Max Power Output	10w (1w above 45kHz)
Max Current Output	1000mA (500mA above 45kHz)
Max Voltage Output	90Vrms
Output Power Levels	4 levels + Standby[2]

FEATURES

Active Locate Frequencies	**Standard Frequencies:** 256Hz, 263Hz, 440Hz, 512Hz, 560Hz, 577Hz, 640Hz, 815Hz, 870Hz, 940Hz, 1.02kHz, 1.17kHz, 3.14kHz, 4.1kHz, 8.01kHz, 8.19kHz, 9.82kHz, 12.1kHz, 16.3kHz, 22.5kHz, 29.4kHz, 32.8kHz, 44.5kHz, 66.1kHz, 88.8kHz, 99kHz, 132kHz, 200kHz
Custom Frequencies	Available by request
Induction Frequencies	3.14kHz and above
Dual Output Ports	Connect any two accessories Select the active accessory with Mode key
Locate Direction	User enabled, 512kHz to 10kHz
Accessories	Direct Connect Leads Ring Clamp

SYSTEM

Regulatory Compliance	FCC, CE.
Data Transfer	USB-C 2.0
PC based Setup	User-configurable with UM Setup software
Language Support	22 user-selectable languages:

English	Polish	Danish	Czech	Chinese
Spanish	Dutch	Estonian	Finnish	Korean
French	Portuguese	Norwegian	Greek	
German	Russian	Latvian	Hungarian	
Italian	Swedish	Lithuanian	Romanian	

General Warranty: Standard 2-year warranty against manufacturer defects.

Optional 1-Year warranty extension available

Parts and Accessories: Standard 2-year warranty against manufacturer defect, no option for third year extension.

[1] IP65 Rating: The IP65 rating indicates a product is “dust tight” and protected against water jets from any direction. Whether used in harsh weather conditions or dusty settings, an IP65-rated device offers reliable protection, ensuring long-lasting performance and durability.

[2] In standby, a small amount of voltage and current are used to measure the impedance of the utility

[3] Depth accuracy based in a single undistorted signal source

Product specifications are subject to change based on various conditions and the specific equipment used. Environmental conditions, operational settings, and compatibility with other devices can influence performance, durability, and functionality. Manufacturer may adjust specifications to optimize the product for different applications or to meet evolving industry standards. Refer to the latest product documentation or consult with a representative to ensure you have the most up-to-date information.