



# MAG X GEO



## PRECISION GPS DATA LOGGING

- » RTK-Enabled GPS with 1–3 cm Accuracy
- » GPS Tracking including Elevation
- » Automatically Record Rod-by-Rod Metrics



## ON-THE-FLY FUNCTIONALITY

- » Views: Overhead Aerial, Side Profile Chart, Rod Table
- » Tools: Bore-To Steering, GPS Dropline, Pitch Guide
- » Logging: Rod Pitch, Roll, Temp, Depth, and GPS Data



## REPORTING REDEFINED

- » Add Utility Crossings with Type, GPS, and Depth
- » Generate, Share, and Sync Reports from Receiver
- » Real-time Project Monitoring



# MAG X GEO SPECIFICATIONS

## Receiver

|                         |                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------|
| System                  | Mag X GEO                                                                                               |
| Screen                  | 7-inch Color Touch Screen<br>Android Operating System                                                   |
| System Frequency        | 16 Frequencies, .325kHz - 41kHz                                                                         |
| GPS                     | Integrated GPS + RTK                                                                                    |
| Data Logging            | Built-in Data Logging                                                                                   |
| Compatible Transmitters | <b>Echo</b> X-Mini / 50XF / 75XF / 70 / 90 / 110<br><b>Armor</b> VTX50 / VTX75 / VTX85 / VTX95 / VTX120 |
| Temperature Range       | -4 °F to 140 °F<br>(-20 °C to 60 °C)                                                                    |
| Radio Frequency         | 915 MHz (US) / 869MHz (EU) / 867 MHz (IN)                                                               |
| Communication           | 4-Channel RF: up to 3,000 ft. /900m Range<br>Dual Telemetry: Unlimited Range over Network               |
| Power                   | Rechargeable Lithium battery 12.5V                                                                      |
| Accuracy                | ±5%                                                                                                     |
| Battery Life            | Up to 15 hours                                                                                          |
| Dimensions              | 29" x 9" x 14"<br>(73.5cm x 23cm x 35.5cm)                                                              |
| Weight                  | 10.5 lbs. (4.8 kg)                                                                                      |
| Waterproof              | IP65                                                                                                    |

## Display

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Screen            | 7-inch Color Touch Screen<br>Android Operating System                                     |
| GPS               | External GPS Antenna Connection                                                           |
| Data Logging      | Built-in                                                                                  |
| Temperature Range | -4 °F to 140 °F<br>(-20 °C to 60 °C)                                                      |
| Radio Frequency   | 915 MHz (US) / 869MHz (EU) / 867 MHz (IN)                                                 |
| Communication     | 4-Channel RF: up to 3,000 ft. /900m Range<br>Dual Telemetry: Unlimited Range over Network |
| Power             | Rechargeable Lithium battery 12.5V                                                        |
| Battery Life      | Up to 50 hours                                                                            |
| Dimensions        | 7.5" x 5.1" x 7.5"<br>(19 cm x 13 cm x 19 cm)                                             |
| Weight            | 3.3 lbs. (1.5 kg)                                                                         |
| Waterproof        | IP65                                                                                      |

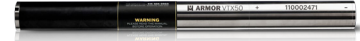


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## Transmitters

### ARMOR VTX50



|                    |                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency          | 16 Frequencies, .325kHz - 41kHz                                                                                                                                                                                                      |
| Battery Type       | 21700 x 1 Rechargeable Lithium Battery<br>261020 x 1 Lithium Battery (Primary)                                                                                                                                                       |
| Battery Life       | <b>21700 (4.2v):</b><br>100 hours - Low Power Mode<br>30 hours - Medium Power Mode<br>9 hours - High Power Mode<br><b>261020 (3.7v):</b><br>300 hours - Low Power Mode<br>80 hours - Medium Power Mode<br>25 hours - High Power Mode |
| Depth & Data Range | 82 feet. (25m) - Low Power Mode<br>115 feet (35m) - Medium Power Mode<br>164 feet (50m) - High Power Mode                                                                                                                            |
| Dimensions         | 15" long x 1.25" diameter                                                                                                                                                                                                            |

### ARMOR VTX75



|                    |                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency          | 16 Frequencies, .325kHz - 41kHz                                                                                                                                                                                                      |
| Battery Type       | 21700 x 1 Rechargeable Lithium Battery<br>261020 x 1 Lithium Battery (Primary)                                                                                                                                                       |
| Battery Life       | <b>21700 (4.2v):</b><br>100 hours - Low Power Mode<br>18 hours - Medium Power Mode<br>7 hours - High Power Mode<br><b>261020 (3.7v):</b><br>300 hours - Low Power Mode<br>50 hours - Medium Power Mode<br>20 hours - High Power Mode |
| Depth & Data Range | 115 feet. (35m) - Low Power Mode<br>180 feet (55m) - Medium Power Mode<br>246 feet (75m) - High Power Mode                                                                                                                           |
| Dimensions         | 19" long x 1.25" diameter                                                                                                                                                                                                            |

### ARMOR VTX85



|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Frequency          | 16 Frequencies, .325kHz - 41kHz                                                                              |
| Battery Type       | 18650 x 3 Rechargeable Lithium Battery                                                                       |
| Battery Life       | <b>18650 x 3:</b><br>100 hours - Low Power Mode<br>30 hours - Medium Power Mode<br>9 hours - High Power Mode |
| Depth & Data Range | 164 feet. (50m) - Low Power Mode<br>230 feet (70m) - Medium Power Mode<br>279 feet (85m) - High Power Mode   |
| Dimensions         | 15.9" long x 1.42" diameter                                                                                  |

### ARMOR VTX95



|                    |                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------|
| Frequency          | 16 Frequencies, .325kHz - 41kHz                                                                                 |
| Battery Type       | 18650 B2 x 2 Rechargeable Lithium Battery                                                                       |
| Battery Life       | <b>18650 B2 x 2:</b><br>80 hours - Low Power Mode<br>50 hours - Medium Power Mode<br>13 hours - High Power Mode |
| Depth & Data Range | 200 feet. (61m) - Low Power Mode<br>216 feet (66m) - Medium Power Mode<br>311 feet (95m) - High Power Mode      |
| Dimensions         | 18" long x 1.42" diameter                                                                                       |

### ARMOR VTX120



|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Frequency          | 16 Frequencies, .325kHz - 41kHz                                                                                   |
| Battery Type       | 21700 B2 x 3 Rechargeable Lithium Battery                                                                         |
| Battery Life       | <b>21700 B2 x 3:</b><br>250 hours - Low Power Mode<br>100 hours - Medium Power Mode<br>23 hours - High Power Mode |
| Depth & Data Range | 262 feet. (80m) - Low Power Mode<br>328 feet (100m) - Medium Power Mode<br>394 feet (120m) - High Power Mode      |
| Dimensions         | 24.64" long x 1.65" diameter                                                                                      |