

When Is a GO RUGGED Device Required?

Published on November 6, 2018 by [Tom Walli](#).

A quick explainer on GO RUGGED.

When do you use a Geotab GO fleet tracking device and when a GO RUGGED? The answer is actually pretty simple. If your fleet has heavy equipment, yellow iron, farm machinery, powered trailers and assets, or you are installing telematics devices where they will be exposed to outdoor elements, you need GO RUGGED.

If you are not using a ruggedized telematics device for these types of applications or harsh environments, you may not get the most from your telematics investment.

Why We Designed the GO RUGGED Telematics Device

Geotab designed GO RUGGED purposely so it could be used outdoors and handle environmental conditions on the work site such as ice, heat and dust. There are Geotab-connected vehicles all over the world encountering all kinds of terrain and weather.

Besides the elements, we also know that heavy equipment and vehicles come with grease, dirt and often high pressure washing. Therefore, we made a ruggedized version of the Geotab GO telematics device, rated to IP67 for protection against intrusion by liquids and solids. As well, for some companies, an IP67 rating is a requirement for aftermarket equipment.

GO RUGGED brings the benefit of GPS tracking to off road fleets, so they can measure and manage their costs and operations like any other fleet.

How GO RUGGED Is Different

GO RUGGED is a ruggedized telematics device that has the same advanced GPS technology as the Geotab GO device, with the added benefit of being designed to the IP67 standard, which is the international standard for protection against intrusion of solids, dust, contact, and water. It is rugged and reliable, with support for most engine protocols.

Key Features of GO RUGGED:

Built to IP67 standards

Ruggedized polycarbonate/ABS housing resistant to impact, water and humidity

Extra cable for external installation away from the diagnostic port

Supports Geotab IOX expanders with a custom IOX harness

GPS technology, g-force monitoring, and engine and battery health assessment.

GO RUGGED operates in temperatures from -40 to +85 °C. The device meets SAE J1455 standard for thermal shock, mechanical vibration, operational shock and humidity. [SAE J145](#) sets out the recommended environmental practices for electronic equipment design in Heavy-Duty vehicle and tractor/trailer applications.

What Is IP67?

Both the GO RUGGED and its connectors are IP67-rated. IP67 is a classification set by the International Electrotechnical Commission protection against solid particles and liquid ingress. The number “6” indicates the highest level for protection against solid foreign objects, which might include dirt, dust, or even a hand. The second number in IP67, “7”, indicates a very high level of protection for liquids (immersion up to one meter for 30 minutes).



Top Use Cases for GO RUGGED

There are a number of applications for GO RUGGED. Here are some examples of different use cases:

Heavy-Duty trucks

Heavy machinery

Off road vehicles

Yellow iron, earth-moving equipment and excavators

Mining equipment

Big loader dump trucks

Ground support equipment

Vehicles or devices do not have an interior cab

Trailers

Generators

Examples of industries which can benefit from GO RUGGED:

Construction

Utilities

Oil and Gas

Mining

Agriculture

Airports

What Can Happen if You Don't Use the Right Device

The Geotab GO device is ideal for a wide range of vehicle makes and models and fleet types, but for harsh applications, we recommend the GO RUGGED. A unit exposed to the elements without proper protection may not function as intended, may have a reduced lifespan and could lead to safety concerns. Corrosion can also affect communications in the vehicles or GPS could be inhibited.

Please always read the device support documents for important installation instructions and warnings.

Using the right device for the right job to ensure your fleet gets the most out of your telematics solution.



Contact us: sales@bluearrowmail.com

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