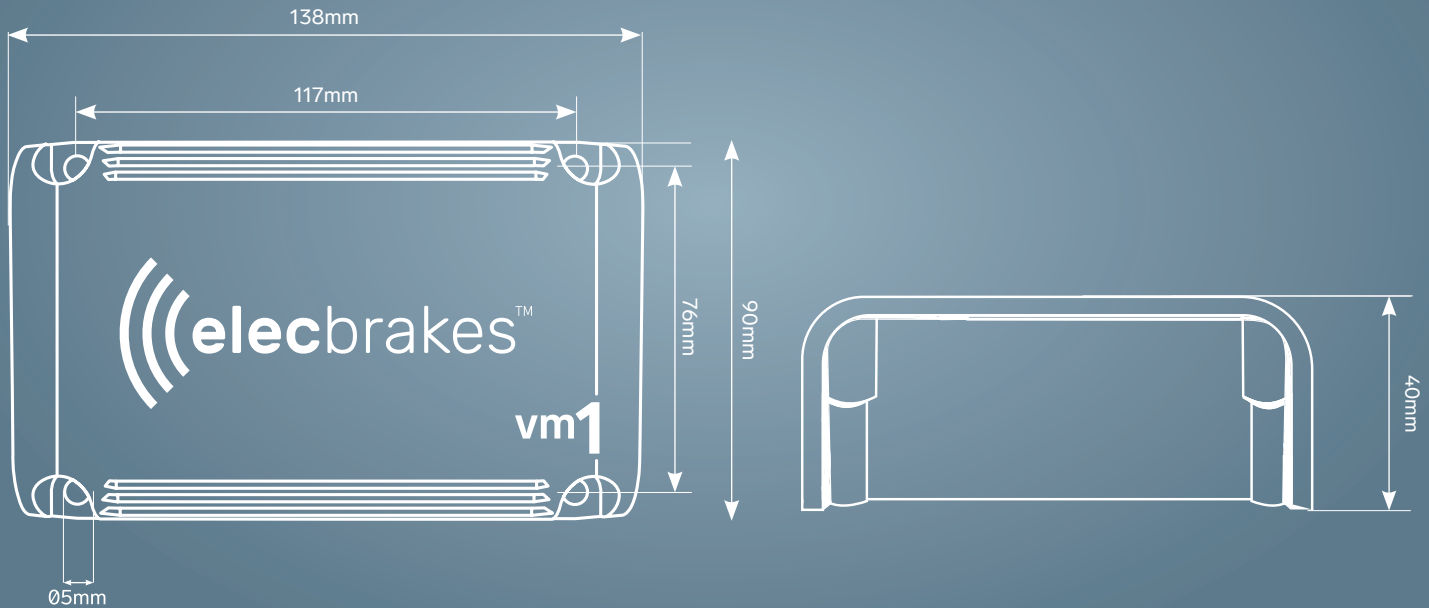


# VM1 Specifications

Version 2.0 -21/07/2026

vm1



## SPECIFICATIONS & RATINGS

### GENERAL

|             |               |
|-------------|---------------|
| Weight      | 410g          |
| Warranty    | 2 Years       |
| GS1 Barcode | 9361122000011 |

### COMPLIANCE AND STANDARDS

|      |                                                                                                   |
|------|---------------------------------------------------------------------------------------------------|
| RCM  | - Electrical Equipment Safety Scheme                                                              |
| IP67 | - Ingress Protection to IEC 60529<br>- Submersible in water up to 1m deep for at least 30 minutes |
| FCC  | - Contains Transmitter Module<br>FCC ID: QOQ-BGM220S                                              |
| CE   | - Compliant with EU health, safety, and environmental requirements                                |

### THERMAL PROPERTIES

|                                    |                       |
|------------------------------------|-----------------------|
| Operating range                    | -30°C to 75°C ambient |
| Over temperature output throttling | 145°C internal        |

## ELECTRICAL CHARACTERISTICS

### INPUT

|                         |                     |
|-------------------------|---------------------|
| Input voltage (nominal) | 12V & 24V systems   |
| Power input             | Auxiliary circuit   |
| Signal input            | Brake light circuit |
| Max input voltage       | 28Vdc               |
| Startup voltage         | 6Vdc                |
| Operating voltage       | >10Vdc              |
| Operating current       | ≈40mA               |
| Quiescent current       | <10mA               |

### OUTPUT

|                                 |            |
|---------------------------------|------------|
| Max output voltage              | 12Vrms     |
| Continuous output current       | 24A        |
| Peak output current             | 32A        |
| Short circuit protection timing | 32μs       |
| Output signal characteristics   | 457 Hz PWM |



Need Help? Call 1300 516 248 or email [info@elecbrakes.com](mailto:info@elecbrakes.com)

