Public

MSD Animal Health

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Warranty Terms – Allflex ABR200 OEM Reader Module

As part of Agrident GmbH, a company incorporated and registered in Germany, whose office is located at Dahlkampsanger 2, D-30890 Barsinghausen, Germany ("**MAH**"), commitment that its products are and will remain free from defects in respect of material and workmanship arising from their normal use and service, MAH is offering a warranty against defects in material and workmanship in accordance with and subject to the following terms ("**Warranty**").

General

The warranty for the Allflex ABR200 OEM Reader Module (the "**Module**") pursuant to the terms set forth herein will be for a period of 24-months commencing from the original date of shipment to the company that purchases the Module and integrates it with its own solution (the "Integrator"). ("**Warranty Period**").

During the Warranty Period, a defective Module to which this Warranty applies will, at MAH's sole and exclusive discretion, be replaced with an equivalent new or refurbished Module or credited/refunded at the original purchase price. The Warranty Period and terms of this Warranty will also apply to a replacement Module for the remaining term of the Warranty Period of the original Module.

Following the end of the Warranty Period, any replacement Module will be supplied against the customer's payment of the then-current listed price for a new Module.

Terms

The Warranty shall not apply where a defect or damage arises from normal wear and tear; modification by the Integrator or any third party; unreasonable use, accident, misuse or negligence; improper integration, assembly, storage or transport; or a force majeure event, including but not limited to earthquakes, drought, fire, tidal waves, floods, unanticipated geological or ground conditions, lightning, or extreme weather or environmental condition

MAH's obligation under this Warranty shall be limited to the remedy stated above for a Module proved to be defective arising from normal use, handling, integration, maintenance and storage during the Warranty Period. This Warranty is valid only when the Module is integrated, used, maintained and stored according to MAH's instructions, the ABR200 integration documentation, and the technical limitations stated below or otherwise stated by an authorized representative of MAH.

In no event shall MAH be liable to the Integrator or any third party for any indirect, incidental, special, or consequential damages (including loss of profits, production downtime, or damage to host systems) arising out of the integration, use, or failure of the Module. MAH's total liability under this Warranty shall not exceed the amount paid by the Integrator for the specific Modules giving rise to the claim.

Warranty Exclusions

- Unauthorized physical modification, unauthorized firmware modification, or repair attempted by a party other than MAH. Official MAH-released firmware updates are not considered unauthorized modifications.
- Water or liquid ingress, excessive humidity, corrosion, impact, crushing, or other external physical or environmental damage.
- Failure caused by the Integrator's host device, power supply, cabling, antenna, software, or other third-party components rather than by the Module itself.
- A Module whose serial number or other identification has been removed, altered, or made illegible.
- Loss, theft, misplacement, breakage, or any Module that cannot be returned to MAH for inspection and verification of the claimed defect.

Technical limitations and integration requirements

Warranty coverage is strictly conditional upon operation and integration of the Module within the following specifications:

Power supply: Low-voltage input: 2.2 V to 4.5 V, including direct Li-ion or 3 × NiMH battery supplies. High-voltage input: 5 V ±5%, stabilized, regulated and filtered. Unregulated voltage or voltage transients are not permitted.

Operating and storage temperature: Operating range: 0 °C to +60 °C (+32 °F to +140 °F). Storage range: −20 °C to +70 °C (−4 °F to +176 °F).

Antenna: Factory-tuned target inductance: 275 µH ±5%. Custom or third-party antennas that deviate from this specification and cause electrical overstress to the RF output stage are excluded from coverage.

Interfaces: UART must operate at 3.3 V levels, with supported baud rates from 9,600 to 115,200 bps. USB uses USB-CDC/CDC-ACM virtual serial and is integrated directly into the ABR200 microcontroller. Applying 5 V signals to USB data lines voids the hardware warranty.

Assembly and ESD controls: The Module must be handled in an ESD-protected environment. Mechanical damage, incorrect UART or USB pin connections, improper soldering, excessive thermal stress, inadequate RF shielding, incorrect decoupling, or unsuitable host-PCB trace design are excluded from coverage.

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Warranty claim and return process

RMA authorization: The Integrator must contact MAH Technical Support and obtain a valid Return Merchandise Authorization (RMA) number before returning a Module. Returns without a valid RMA number may be refused.

Diagnostics: Before issuing an RMA, MAH may require diagnostic testing using the Integrated Diagnosis Function (IDF), Agrident PC-Demo-Software, or other reasonable troubleshooting steps.

Return requirements: The returned Module must be accompanied by proof of purchase or shipment and must be safely packaged. Where applicable, it must be cleaned and disinfected before shipment.

Shipping: The Integrator is responsible for shipment of the defective Module to the designated MAH facility, including freight, insurance, duties and customs fees. MAH will cover standard return shipment of a replacement Module approved under Warranty.

Remedy determination: MAH will inspect the returned Module and determine, at its sole and exclusive discretion, whether the claimed defect is covered and which Warranty remedy applies.

For avoidance of doubt, this Warranty applies only to the ABR200 OEM Reader Module supplied by MAH and does not extend to the Integrator's finished device or to its other components. The Integrator remains responsible for first-line support to end users of the integrated device.

MAH reserves the right, at its sole and exclusive discretion, to amend or alter these terms by providing 14 days' prior written notice.