

# UNIT ASSESSMENT CERTIFICATE

Issued by a competent body in explosion safety

## ARTIDOR 22ATEX9999 X

We, Artidor Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:

<b>Apparatus:</b>	<b>Explosion-safe Label printer</b>
<b>Type:</b>	<b>AR-090</b>
<b>Supply:</b>	<b>230 VAC</b>
<b>Power consumption:</b>	<b>100 Watt</b>
<b>Quantity:</b>	<b>1 piece</b>
<b>Lot No.:</b>	<b>AS229999</b>
<b>Product serial No.:</b>	<b>99J213902550</b>

has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to directive 2014/34/EU.

Compliance with the Essential Health and Safety Requirements for group II, category 3D equipment has been assured by compliance with the following harmonized standards:

- EN 60079-0:2018
- EN 60079-31:2014

The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS229999, held at the offices of Artidor Explosion Safety B.V.

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the specific conditions for use as described in this declaration.

The marking of the equipment includes the following:



II 3 D Ex tc IIIB T80°C Dc

This certificate only relates to the examination and tests according to directive 2014/34/EU and to the equipment of the above mentioned type, lot number and Ex code.

Production is controlled by the ARTIDOR Quality Assurance system in accordance with ISO 9001:2015 and annex VIII of directive 2014/34/EU.

This certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.

The ambient temperature allowed for the apparatus is -20 °C to +40 °C.

14. Description

The AR-090 label printer is based upon the Zebra ZT411 printer and provides high superior thermal label printing. Its 300 DPI resolution means consistently high quality text, graphics and bar code labels for production, manufacturing and research. The AR-090 label printer is optimized for full efficiency and economical operation.

The explosion-safe construction consists of a stainless sheet steel cabinet with a thermal label printer Zebra type ZT411. The protection method against ignition used is protection by enclosure 'tc'. A special cable entry, door seal and paper output facility have been designed and produced to keep dust out of the cabinet.

An ignition hazard assessment in accordance with EN 80079-36 has been carried out to the enclosure. Each part has been assessed with regard to its explosion-safe properties and is modified and marked accordingly.

15. Electrical data

Supply voltage: 100 - 240 VAC, 50/60 Hz  
Electrical power: 100 W

16. Specific conditions for use

1. Install an isolating switch close to the apparatus and be sure that it's explosion-safe in accordance with the classification of its environment.
2. Pre-fuse the electric power supply in accordance with the power consumption of the apparatus connected.
3. The door shall be kept closed and tight unless the area has been known to be non-hazardous or power is disconnected.
4. Unused cable entries must be blind off using a suitable plug.
5. To avoid electrostatic charge clean the plastic parts only with a damp cloth. Do not use solvents.

Geldrop, 1 December 2022

M. Moolenaar  
Managing Director and EX Authorized Person