

# Explosion-safe label printer AR-090

## Dustproof or as an overpressure system



### Features

- Based on Zebra ZT411 series printers
- USB and Ethernet connections
- Printing width 104 mm
- Resolution: 300 DPI
- ATEX certified
- Suitable for use in gaseous and dusty environments, zone 2 and 22
- 316 stainless steel housing
- Fixed power cable (length: 5 meters)
- Optional cutting unit and catch basin



II 3 G Ex pzc IIC T6 Gc  
II 3 D Ex tc IIIB T80°C Dc or  
II 3 D Ex pzc IIIC T80°C Dc



### Description

The Artidor AR-090 label printer is based on the ZT411 series of industrial printers by Zebra. They are the result of over 50 years of innovation in thermal printers.

The IP54 basic version of the AR-090 label printer is suitable for an environment in which dust fibers and electrically non-conductive dust cause an explosion hazard. An overpressure system was selected for use in environments where gas or electrically conductive dust poses a hazard. Due to the slight overpressure, no gas or dust can enter the housing.

The AR-090 has a broad range of application. A suitable AR-090 is available for every environment where category 3 equipment must be used. The printer is used in very diverse production processes that require application of a sticker, e.g. in order to record the product's production date, the batch number or the traceability.

The AR-090 label printer is available in a model where the labels are printed on a contiguous strip. If needed for a particular application, there is also an AR-090 label printer with a cutting mechanism; it cuts the labels, after which they are collected in a catch basin.

The housing of the explosion-safe printer is made from 316 stainless steel and complies with the latest explosion-safe standards. The AR-090 is sold to customers in the (petro)chemical, pharmaceutical and food industry.



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### Technical data

Explosion safety:	II 3 G Ex pzc IIC T6 Gc, II 3 D Ex tc IIIB T80°C Dc or II 3 D Ex pzc IIIC T80°C Dc
European directives:	2014/34/EU (ATEX 114) and 2014/30/EU (EMC)
Applied standards:	EN 60079-0:2018, EN 60079-2:2014, EN 60079-31:2014
Printer:	Zebra ZT411, with optional cutting unit and catch tray
Resolution:	300 dpi
Printing width:	104 mm
Printing length:	1,854 mm
Communication:	USB and 10/100 Ethernet LAN interface
Supply voltage:	100 to 240 VAC, 50/60 Hz
Electric power:	100 Watts
Electrical connection:	Fixed power cable H07RN-F 3 x 1.5 mm <sup>2</sup> , 5 meters
Housing:	316 stainless steel housing, window made from impact-resistant polycarbonate
Degree of protection:	IP54 in accordance with EN 60529
Conditions of use:	+5 °C tot +40 °C, relative humidity 20% to 85% uncondensed
Ambient temperature:	-20 °C to +40 °C
Housing dimensions:	638 x 374 x 447 mm
Weight:	39,3 Kg (Zebra ZT411 16,3 Kg, stainless steel housing 23,0 Kg)

### Order code

Type number	Particulars
AR-090/001	Suitable for category IIIB dusty environments (dustproof housing IP54)
AR-090/002	Suitable for category IIIB dusty environments (dustproof housing IP54), with cutting mechanism and catch basin for labels
AR-090/003	Suitable for category IIC and IIIC gaseous and dusty environments (overpressure system)
AR-090/004	Suitable for category IIC and IIIC gaseous and dusty environments (overpressure system), with cutting mechanism and catch basin for labels