

**Digitax**<sup>®</sup>  
AUTOMOTIVE ELECTRONICS



**PRINTER**  
**QUATTRO**

**Digitax**<sup>®</sup>  
AUTOMOTIVE ELECTRONICS



## Printer Quattro Main Features

### Automotive compliant design

The printer Quattro has been designed especially for automotive environment operation, where the temperatures can reach over 85 celsius in hot countries, especially when the car is closed under the Sun radiations or minus 40 during the night in cold countries.

Where the printer must operate at very high operating temperature, its necessary to use a special high temperature paper and the printer must be capable to thermal manage the head printing temperature in relation with the operation temperature and used paper.

The printer Quattro thanks to the automotive temperature management system is capable to control the temperature and speed of the printing head, allowing to use high temperature paper and control the printing speed in base of the operating environment temperature.

With this specific, feature (not available in desk or portable printers, which usually operate at maximum 50 celsius, the printer Quattro is the right solution for automotive applications.

As the printer will print the legal relevant "Fare amount and trip details", the printer must be certified by OIML R21 linked to a specific taximeter and for security purpose, the communication protocol of the printer quattro has been designed by a custom native protocol (not universal EscPos)

Furthermore, the printer must be capable to manage the "forced power on" from taximeter command (even if it is powered off) and also detect the, paper presence and cables disconnection from the taximeter.

#### Temperature range:

Extended operating temperature range -20 + 75 Celsius

Extended Stockage temperature range – 40 + 85 celsius

#### Vibration Range:

3G in three axis

**Printer Head Mechanism**, Fujitsu rugged printer, with aluminum metal frame

#### Embedded Options:

**MCR 3 tracks**: ISO standard Magnetic Card reader

**RFID R/W**: ISO 15693, ISO14443A, ISO14443B, MIFARE, SR176, JayCOS 2

All three devices: "**Printer**", "**MCR**" and "**RFID**" communicate by same protocol and most important on one single serial port, avoiding to engage 3 serial ports.

# PRINTER QUATTRO

Paper Output

RFID Card R&W

Magnetic Card Reader  
Card Reader

Paper Feed

ON /OFF



Power Data Cable

Standard size Big  
paper roll  
57mm X 50mm  
Support High  
temperature paper



**OVERALL DIMENSIONS 114mm X 90mm X 62mm**

# PRINTER QUATTRO



Magnetic Card Reader  
Card Reader



RFID Card R&W



# PRINTER QUATTRO



Printer Housing Sealing

Power / Data Cable



Power / Data Cable sealed cover



# PRINTER QUATTRO



Sealing power / data cables



# PRINTER QUATTRO



Fitting Stand





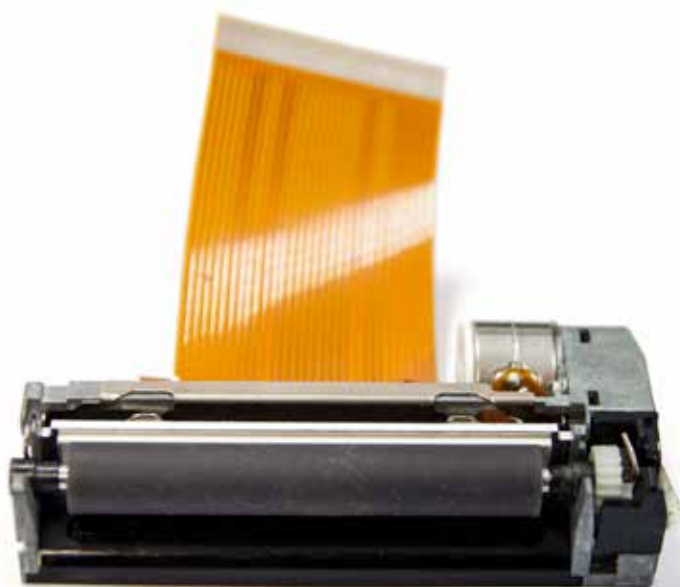
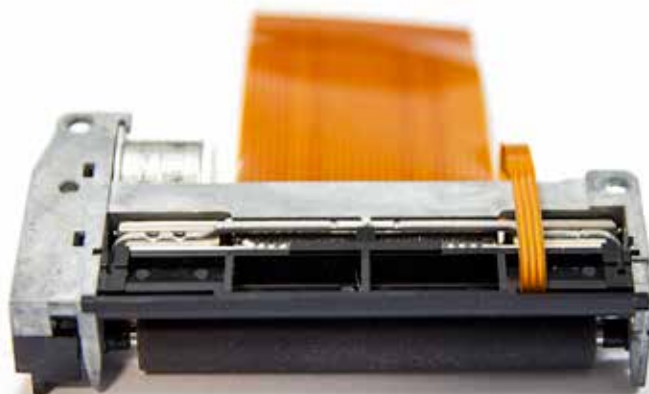
# PRINTER QUATTRO



Rugged Auto Paper Loading



## New Rugged Alluminium Frame Printer Mechanisms





ALFA ROMEO  
AUTOMOBILI E MOTORI



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