

# **PRINTER** **TRE** basic

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Technical Features



# **PRINTER** **TRE** basic

**Digitax**  
AUTOMOTIVE ELECTRONICS

# PRINTER **TRE** basic

FRONT VIEW



SIDE VIEW



BACK VIEW



UPPER VIEW



# Technical Features

## INTRODUCTION

The **PRINTER TRE** has a wide range of uses in addition to the standard printing ones:

High printing speed: 30 – 35 mm/sec.

Power Supply 9 – 16V.

Easy paper change (Autoload).

Paper and sensor.

ESC/POSTM emulation.

Standard international characters font.

Standard line printing with autofeed.

Two dimension font scaling.

Print Density.

Online device checking.

Graphic image mode for bitmap printings.

Load Logos into printer memory (average logo size 3 Kb each).

Available memory for logo's storage (30 Kb).

Print selected logo command.

RS232 or TTL serial interface (2400-19200bps).

## GENERAL FEATURES

### Resolution

200 dpi (8dots/mm)

### Maximum Print Speed

450 Dot Lines /s

### Horizontal Dot Pitch

0.125 mm

### Vertical Dot Pitch

0.125 mm

### Printing Method

Direct Thermal, Line Dot Printing

### Total Number of Dots / Line

384

### Paper

Standard Thermal Paper 57 mm x 30 mm diameter, printable area: 48 mm

### Interface

RS232 9600 Baud N81 or TTL

## Dimensions (in millimeters)

Width	Height	Depth
85	51,5	90

## APPLICATION NOTES

Temperature range (operation):

0° C to + 50° C

Temperature range (storage):

-25° C to + 70° C

Humidity range (operation):

10% to 95% without condensation

Humidity range (storage):

Up to 95% without condensation

To prevent stepper motor thermal overheating, it is required to respect a maximum on/off printing ratio (duty cycle) of 80-90%.

The printer may not print if power supply voltage is out of operating range 9 – 16V.

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## HIGH PERFORMANCE SPEED GRAPHIC PRINTER

The Receipt Printer Mod. "TRE" from Digitax can achieve near optimal speed graphic printing, thanks to the advanced architecture and structured graphic data management. Bitmap Logos are kept inside the printer memory, thus allowing a fast retrieval and direct paper exposition, without the need to decode and plot line by line.

A powerful and yet simple compression protocol enhances both the printer speed and the transfer rate during the logo's loading phase. And all of this with no need to sacrifice the printing quality, since the exposition time stays untouched. Besides, the relevant number of Bitmaps carried by the printer allows the user to program scheduled printings, conditioning logo's appearance by date and time.

Really we can say that it is now possible to reach outstanding performances with no system overhead, by means of the Digitax Receipt Printer Mod. "TRE".

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