



Features of the printer:

- Thermoprinter:
Paper width 112 mm, 832 dots per line.
- Can replace the **DIESSEL** printer types **BP110**, **SD110**, and **JD84**.
- BUS-capable printer with integrated freely programmable computer.
- Print vouchers programmable in PASCAL.
- Possible control via different interfaces RS232, TTY, and RS485 CS3-Bus.
- Storage of program and graphics for the print vouchers in the FLASH memory.
- Easy creation of print vouchers for different tasks.
- Quick pulse counting input (e.g. odometer tap).
- Freely programmable *line feed key*.
- Korean 2 bytes Hangeul character set.
- Also available for front panel mounting.
- Selection of the different functions via escape control commands field housing
- Weights & Measures-approved voucher print.
- Print-out of graphics, company's symbols, etc.

Description

DI-PRINT is a freely programmable thermoprinter which is connected with the CS3 system via a serial interface (RS232, TTY) or the RS485 connection. Thus, print vouchers can be directly stored in the memory and created by remote control. The existing interfaces enable a flexible print-out of data and messages of different systems (e.g. several meters or systems) via a printer.

The layout of the print vouchers and much more is prepared on a PC or LAPTOP by means of PASCAL and transferred via the BUS connection to the printer, where it is stored.

The software of the built-in computer permits the number of characters per line, the character height, and the printing format to be selected. Alternatively it is possible to send the print data via the serial interface to the printer.

The front panel is equipped with an LED which indicates the operating status and a key for the manual paper feed.

The fixed print head guarantees a long working life, a high printing speed, and a very low operating noise.

The printer features an automatic printing stop at paper end. Built into a field housing (for use on vehicles) it is installed on a mounting plate provided with shock absorbers. For stationary applications a version for front panel mounting is available.

DIESSEL GmbH & Co. KG
P.O. Box 10 03 63
31103 Hildesheim
Germany
☎ +49 5121 / 742-0

Controller System 3
Thermoprinter
Type DI-PRINT

D 52.52 E

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The following prints can be realised:

- Printing of protocols/tickets
- Printing of laboratory data
- Printing of W&M-approved vouchers
- etc.
- Remote-controlled printing stations
- Central printing stations

Technical data

Printing principle:	Thermoprinter, 832 dots/line		
Characters/line:	20, 40, 80 and further characters sets (see the DI-PRINT manual)		
Character height:	3 different characters heights (2.5 – 5.0 and 7.5 mm)		
Printing speed:	9 lines/second (in case of 2.5 mm character height)		
Interface:	RS232, TTY, and CS3-Bus connection RS485		
Pulse input:	$f_{max} = 2 \text{ kHz}$ $R_{in} = >3 \text{ kiloohm}$ $U_{in} = 5 \dots 30 \text{ V}$		
Operating voltage:	11.5 ... 30 V DC		
Power consumption:	Static current: 210 mA / 12 V; 110 mA / 24 V Peak current: 5 A / 12 V; 2 A / 24 V		
Connection cable for operating voltage:	2.5 mm ² min.		
Ambient temperature:	-15 ... +50°C		
Dimensions of the field housing:	170 x 210 x 200 mm (H x W x D)		
Weight with field housing:	Approx. 3.5 kg		
Mounting dimensions of the front panel housing:	194 x 145 x 175 mm (H x B x T) (cut out 186 x 137 mm)		
Weight with front panel housing:	Approx. 1.8 kg		
Fitting position:	Horizontal		
PTB approval:	Approval symbol <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>5.574</td></tr><tr><td>91.51</td></tr></table>	5.574	91.51
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Paper:	Thermopaper, width 112 mm, 25m roll, DIESEL stock no.: 231 229		
System of protection:	IP30 (The printer may not be used directly in wet areas.)		

Connections:

Field housing

