



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DOT MATRIX PRINTER - FOR LAB EQUIPMENT



Introduction

The **TVS RP-45 Shoppe** is a compact, rugged, and high-performance **4-inch dot matrix bill printer** engineered specifically for Indian retail environments. Designed to deliver cost-efficient and reliable billing solutions, it supports a wide variety of paper roll sizes and ensures seamless connectivity through multiple interfaces. With its exceptional print speed, long ribbon life, and robust build quality, RP-45 Shoppe is ideal for diverse retail segments such as **grocery stores, restaurants, pharmacies, apparel outlets, and bookstores.**

Key Features

- **4-in-One Connectivity:** Parallel, USB, and Serial interfaces with cash drawer connectivity **at no extra cost.**
- **Compact & User-Friendly Design:** Space-saving, ergonomic, and easy to operate in any retail setup.
- **Made for Indian Conditions:** Designed to withstand **dust, voltage fluctuations**, and even **3 ft falls.**
- **Low Operating Cost:** Prints at just **1 paisa per bill**, ensuring the **lowest cost of ownership.**
- **High Printing Speed:** Up to **15 bills per minute** (5 LPS at 40 columns).
- **Wide Paper Compatibility:** Accepts **2.25" to 4.13" paper rolls** for flexible printing needs.
- **Unique Inkbank System:** Delivers up to **45,000 bills per refill**, reducing printing costs by up to **70%.**
- **Reliable Performance:** MTBF of **10,000 POH** and **20 million lines MCBF**, ensuring consistent uptime.
- **Multi-Platform Support:** Compatible with **Windows 95-Vista** and **Linux.**
- **Cash Drawer Support:** Built-in **RJ-11 port** for easy POS integration.

Technical Specifications

Parameter Specification	
Print Method	9-pin serial impact dot matrix
Printing Speed	5 LPS @ 16 CPI (40 col); 6.8 LPS @ 16 CPI (30 col)
Print Font	7 × 9 matrix
Print Width	2.25" – 3.9"
Character Sets	95 alphanumeric characters
Barcode Fonts	EAN 13, EAN 8, Code 3 of 9, Interleaved 2 of 5, UPC-A
Character Per Inch (CPI)	Draft – 12, 13.3, 15, 16, 17, 20 / High Speed Draft – 12 / NLQ – 12
Interface Options	USB, Parallel, Serial
Cash Drawer Port	1 × RJ-11 socket
Copy Capability	1 Original + 1 Copy
Roll Paper Width	57 mm – 105 mm (2.25" – 4.13")
Roll Paper Diameter	83 mm max
Core Inner Diameter	10 mm min
Paper Tear Bar	Stainless steel
Input Buffer Capacity	10 KB
Ribbon Cassette	Black; 15 million characters (Draft mode) + 2 Inkbanks
Inkbank Life	5 million characters (Draft mode)
Emulation Modes	ESC/POS, ESC/P, IBM
Power Input	25 V DC & 5 V DC via external PSU
Reliability (MCBF)	20 million lines
MTBF	10,000 POH @ 33% print density
Print Head Life	200 million characters (PTFE coated)
Drivers Supported	Windows 95/98/ME/2000/NT4.0/XP/Vista, Linux
Dimensions (W×D×H)	185 × 260 × 135 mm
Weight	Approx. 2.5 kg
Body Color	Bone Grey / Black
Noise Level	< 49 dB(A)
Safety / EMC Standards	FCC Class B, CE compliant, IEC 950

Standard Configuration

- Printer unit
- TVS-E ribbon cassette
- External power adapter
- USB, Parallel, and Serial interface cables
- Printer software CD-ROM
- User manual

Consumables & Accessories

- **Ribbon Cassette:** P/N 2028040001 – RP-45 Shoppe Ribbon
- **Inkbank (Black):** P/N 2017100036 – Jet Black
- **Accessory:** Cash drawer cable

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F