

KVT-XX

VOCATIONAL TRAINER KIT

KVT-03 LASER PRINTER TRAINER



KVT-03 trainer is a very versatile training system, has been designed to explain Laser Printer hardware and its trouble shooting. Various test points have been provided so that one can check inputs and outputs of each block contained. Being different from a conventional block diagram internal structure of blocks is also shown. Test points allow the analysis and monitoring of the signals in different sections.

Specifications

- ARM-9 Processor 300 MHZ
- Memory 8 MB
- Interface Hi-Speed USB 2.0
- Engine Speed Simplex Up to 20 ppm in A4 (21 ppm in Letter)
- Duplex Manual Duplex
- Warm-up time From Sleep Less than 30 seconds
- FPOT From Ready Less than 8.5 seconds
- From Sleep Less than 15.5 seconds
- Resolution Up to 1,200 x 1,200 dpi effective output
- Standard Capacity 150-sheet Multi Purpose Tray @ 80 g/m²
- Max. Capacity 150-sheet @ 80 g/m²
- Printing:
 - Max. Size 216 x 356mm (8.5" x 14.02")
 - Min. Size 76 x 183 mm (3.0" x 7.2")

- Multi-purpose Tray (Bin type) Capacity
 - Plain Paper : 150 sheets @ 80 g/m²
 - Envelop : 1 sheet @ 80 g/m²
- Media sizes A4, A5, Letter, Legal, Executive, Folio, Oficio, ISO B5, JIS B5, Envelope(Monarch, No.10, DL, C5), Custom Media type Plain, Thin, Cotton, Recycled, Archive, Colored, Pre-Printed, Label, Bond, Thick, Envelopes, Cardstock
- Media weight 16~43 lb (60 to 163 g/m²)
- Output Stacking Capacity
 - Face-Down : 100 sheets @ 80 g/m²
- Average Cartridge Yield 1500 standard pages
- Fault creating facilities for CRUM, Thermistor, Stepper Motor, Pickup Clutch, Feed Sensor, Width Sensor, Power Switch, Printer Switch, Printer Door.
- 17 Fault Switch with 21 Test Points provided on-board.
- Led indicators provided on the LPT-01 PCB for sensing Power, Error, Ready, Toner and Power On, Print Switch.
- Laser Printer block diagram is provided on LPT-01 glass epoxy PCB for understanding the logic.
- LPT-01 Enclosed in ABS Plastic enclosure.
- Power rating AC 220 - 240 V
- Power Consumption Average operating mode Less than 230 W
- User Manual.

Experiments

- Study of Laser Printer based on ARM-9 Processor
- To understand the overall functioning of Laser Printer
- Study the section of Laser Printer
- To identify different faults CRUM, Thermistor, Stepper Motor, Pickup Clutch, Feed Sensor, Width Sensor, Power Switch, Printer Switch and to study the troubleshooting in Laser Printer

