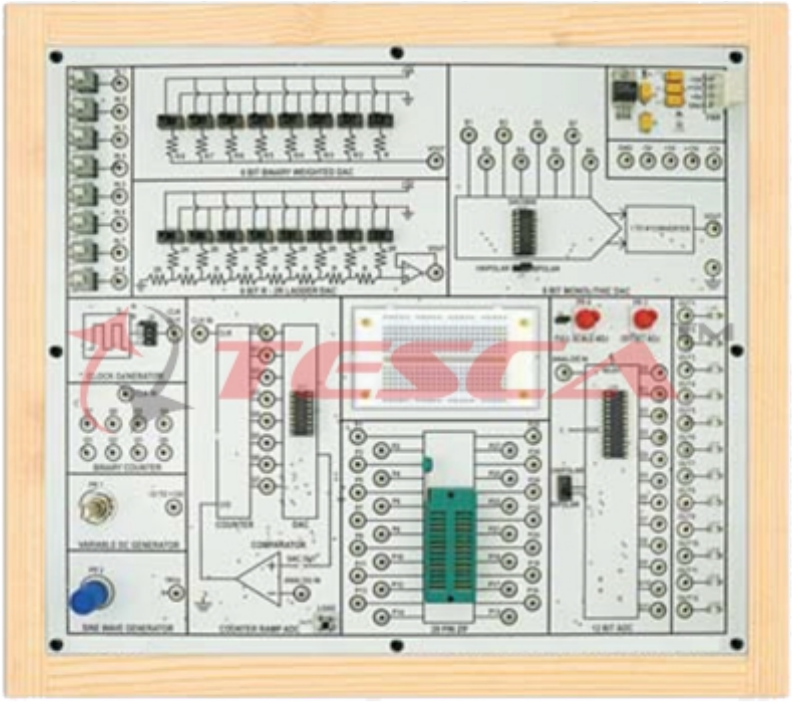

Specifications

Analog to digital converter

- 8-bit descrete ADC
- 12-bit successive approximation monolithic ADC IC
- On-board signal generator with adjustable amplitude levels
- On-board LED bank to observe digital outputs
- Power supply : +5V, ±12V GND
- Interconnection is provided by 2mm connectors

Digital to analog converter

- 8-bit binary weighted resistors DAC
- 8-bit ladder type D to A converter
- 8-bit D to A converter using monolithic IC
- Simple construction using Op-Amp and resistors
- Onboard switches are provided for digital pattern generation
- 8-bit digital inputs ranges from 00 to FF
- Variable frequency counter to study the settling time
- 8-bit digital ramp ADC constructed using discrete components
- 12-bit monolithic ADC having conversion time in the range of µs, industry standard pin out, wide input range
- 8 onboard switches to provide digital inputs to DAC
- 8-bit counter running on external clock frequency to study settling time of DAC
- Built in low frequency clock generator
- 1 KHz sine wave with adjustable amplitude level
- Onboard variable DC voltage source for studying unipolar and bipolar modes of ADC
- 12 output LEDs to observe ADC outputs
- ADA operates on DC power supply (+12V,-12V,+5V and GND)
- Interconnection is provided by standard 2mm connector
- Extensive experimental manual is provided wit the kit

Note: Specifications are subject to change.

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Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com