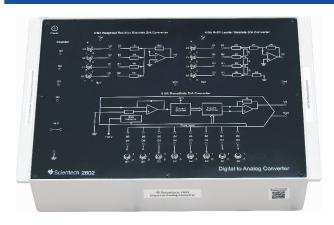


Digital to Analog Converter

Scientech 2602



Scientech 2602 Digital to Analog Converter composed of devices that transform a digital word into analog signal.

The Digital to Analog Converter

Scientech 2602 demonstrates three techniques:

- 4 bit weighted resistor discrete D/A Converter
- 4 bit R-2R ladder discrete D/A Converter
- 8 bit monolithic D/A Converter

Features

- Self contained Scientech 2602
- Discrete & monolithic D/A conversion
- On board Function Generator & Counter
- · Functional blocks indicated on board mimics
- Online Product Tutorial
- Built in DC Power Supply
- Compact size

Technical Specifications

D/A Conversion : 2.4 bit R-2R ladder network

: 1.4 bit weighted resistor

: 3.8 bit monolithic D/A Converter

Signal Source : DC Supply with toggle switches

O/P Indication : On DMM or Oscilloscope

Interconnections : 2mm banana sockets

Power Supply : $110-220 \text{ V} \pm 10\%$, 50/60 Hz

Dimensions (mm):W 326 x D 252 x H 52Weight:2 Kgs approximately

Product Tutorial : Online

Included Accessories:

Patch cord 16" (2mm) : 17 nos.

Mains cord : 1 no.

Scope of Learning

- Functional verification of weighted resistor D/A Converter
- Record the transfer characteristics of weighted resistor D/A Converter
- Functional verification of D/A Converter with ladder network
- Record of transfer characteristic of the ladder network D/A Converter
- Functional verification of an integrated D/A Converter

Designed and Manufactured in India by -