

Product Name :
Digital Control System

Product Code :
CSL0022



Description :

Digital Control System

Technical Specification :

Digital Control System Digital Control System

Digital Controller implementation on uP-kit

Simple Op-amp based analog plant

CRO display of response

Design and test new algorithms

Experiments :

Identification of the controlled process

Study of sampling period variation

Designing P,PI,PD and PID controllers

Advanced algorithms implementation

Features and specifications :

Second order simulated process (analog process)

Built-in D/A and A/D circuits (8-bit)

8085 based uP kit as digital controller with user software in 8K EPROM

16-bit arithmetic for algorithmic calculations

16 built-in levels of P, I and D gains each. Complete flexibility for the user to develop own software

Square wave test input (internal)
IC regulated internal built in power supplies
220V +/- 10%, 50Hz mains operation
Detailed literature and patch chords included
Essential accessory - a CRO