

## Programmers

## Overview

### DCP 100 Digital Control Programmer

is a 1/4 DIN-sized, low priced microprocessor-based program controller able to execute process variable versus time control of temperature, humidity, pressure, flow and other variables.

The DCP 100 can store up to 8 programs, each of which can include up to 16 segments. A total of 128 segments can be stored.

To ensure efficient operation, the DCP 100 provides users with high accuracy (0.25 %) and repeatability, and four process variable-related alarm relay outputs. It also offers 5 digital contact inputs to allow remote program operation, plus a friendly machine interface both in operation and configuration modes.

### DCP 300 Digital Control Programmer

is a 1/4 DIN-sized microprocessor-based program controller able to execute process variable versus time control of temperature, humidity, pressure, flow and other variables.

The DCP 300 can store up to 19 programs, each of which can include up to 30 segments. A total of 570 segments can be stored.

To ensure efficient operation, the DCP 300 provides users with high accuracy (0.1 %) and repeatability, 3 process variable-related alarm relay outputs and up to 5 optional digital time-related solid state event outputs to synchronize control profiles with process sequencing. It also offers up to 12 (4 standard plus 8 optional) digital contact inputs to allow remote program operation, plus a friendly man-machine interface both in operation and configuration modes.

### DCP 551 Digital Control Programmer

is a high performance DIN-sized programmer that offers power and process versatility. It is targeted to customer requirements for high program capacity, greater accuracy and increased program complexity. The DCP 551 has virtually unlimited storage capacity with a choice of three plug-in memory cards. It can store up to 99 programs, each with up to 99 segments.

Key features of the DCP 551 include:

- *Superior accuracy* ( $\pm 0.1$ ) and repeatability, enabling precise control.
- *16 event outputs*, providing superior process visibility.
- *Dual inputs* with remote selection of the process variable source, providing wide controller applicability.
- *Broad algorithm* selection, enhancing control strategy flexibility.
- *RS232/RS485 Communication*
- An optional *remote mounted dot-matrix display* allows convenient monitoring of program profiles and status of selected programs and segments.
- Universal inputs and outputs.

**DCP 552 Digital Control Programmer** provides the functions of the DCP 550 with:

- Full two-channel operation.
- 49 programs per channel.
- Direct carbon potential control.
- Universal inputs and outputs.

**The DCP50** is a microprocessor-based 1/16 DIN controller programmer that combines a high degree of functionality and reliability at a low price. It is capable of supporting up to 4 program profiles with up to 16 segments per profile. It is fully dedicated to monitor and control temperatures, pressures and levels in a wide range of applications such as the plastics and food industries, furnaces, packaging and environmental chambers. The large and easy-to-read dual 4-digit display and tactile keypad make the DCP50 easy to configure and use. It's outstanding flexibility enables you to configure any unit for any application and change it if required.

## Decision Tree

Decide on combination of functions and types. Dots mark availability column. Follow availability column to model and specification.

Function	Type	Availability			
Front Faceplate Size	Full DIN	•	•		
	1/4 DIN			•	•
# Channels	1		•	•	•
	2	•		•	
	Up to 4				
# Programs	99		•		
	96, 48, 32, 24				
	49	•			
	19			•	
	8				•
Segments/Program	99	•	•		
	63				
	30			•	
	16				•
Accuracy	0.1%	•	•	•	
	0.25%				•
Autotune Software and Universal Inputs		•	•	•	•
Communication Option		•	•	•	•
Memory Module Option		•	•		
Data Storage Floppy					
Digital Inputs/Digital Outputs	16/16	•	•		
	12/8			•	
	6/4				•
	3/4, 8/8, 16/16, 8/24				
Specification	Model				
57-77-03-13	DCP 552				
57-77-03-12	DCP 551				
57-77-03-15	DCP 300				
EN01-6028	DCP 100				