



# AUTOMATED CHEMICAL SOLUTIONS

Chemicals and Controllers for PWB Fabrication

## Technical Data Sheet

### AUTOdose PC-1001

#### Panel Count Controller



#### Description

The AUTOdose PC-1001 provides accurate, reliable control for most conveyORIZED processes using panel count technology to initiate replenishment. The AUTOdose PC-1001 controls solution concentration, chemistry replenishment and bath loading. It will automatically deliver chemical concentrate directly from factory packaging, or can be adapted to replenish from working solution day-tanks. The AUTOdose PC-1001's user friendly, easy-to-install, versatile design, allows it to be used with several different chemical processes.

#### Features

High quality process instrumentation  
 Automatic delivery of replenishment chemicals from factory packaging or from working solution directly to the process  
 Compact, wall mount design

#### Benefits

Accurate, reliable process control  
 Minimizes chemical handling  
 Saves space and is easy to install

## Theory of Operation

The PC-1001 allows the user to vary chemical feed rate, replenishment time, and panels processed per chemical addition. The process can be adjusted to determine the best replenishment scheme for consistent control. The proportioning pump automatically draws concentrate directly from a drum and mixes it with water at a set proportion that is independent of the water flow rate. It can also be configured to draw working solution from a day-tank and not require a separate water supply. This control strategy consistently maintains process parameters within approximately 5% variation.

## System Requirements

Electrical	120 VAC, 60Hz, 10 amps
Dimensions	42" X 34" X 10" (H X W X D)
Water	1 – 10 gpm