

# Impresario

## Reactor Automation Controller

### Control Peripherals

Take control of your equipment from just your workstation

### Analyze

Allows for recording data of your applications

### Reproduce

Create recipes for easy repeatability

## Overview

The Impresario is an economical, customizable hardware/software platform for the precise control of a process reactor utilizing user-defined recipes and the monitoring, reporting and control of a customer's existing equipment or Ace Glass supplied matched components.

The Impresario's ease-of-use significantly reduces the learning curve and the tedious process of integrating equipment within other, more expensive automation platforms on the market. Through the use of a friendly, recipe styled user interface, the Impresario is ideal for development, optimization and ultimately precise production run reproducibility.

The Impresario functions as an ideal reactor automation controller that fits your budget. To learn more, please visit <https://www.aceglass.com>



Ace Glass Incorporated, founded 1936 in Vineland, NJ is a leader and innovator in the manufacture of premium scientific glassware, lab equipment and glass apparatus.

[www.aceglass.com](https://www.aceglass.com)

# 6458-10 Impresario

## Capabilities:

- pH monitoring and dosing control with the addition of a syringe pump available from Ace.
- Temperature monitor/control via type J thermocouple accessories in conjunction with heating accessories such as mantles or circulators, from such manufacturers as Glas-Col, Lauda, Julabo and Polyscience. Utilize the Ace Glass Technical Staff to size the appropriate solution.
- Vacuum/pressure monitoring and control with the addition of vacuum/pressure source and the appropriate proportioning valve available from Ace.
- Overhead stirring speed and torque monitoring and control using a variety of stirring systems available from Ace. Explosion proof stirring options available.
- CFR 21 part 11 compliant software organizes the reaction parameters in a single tabbed document in table or graphical form and can report in encrypted, read only Microsoft® Excel format.
- Fully customizable multi-step ramps for reaction control and safety alarm response definition, including emergency shutdown.

## Base Unit Specifications:

- 120vac 50/60Hz input
- (2) type J thermocouple connections
- (1) pH probe BNC connection
- Internal pressure transducer, full vacuum to 15psia (29.7psig) monitoring
- Pressure/vacuum proportioning valve connections for control
- (3) RS-232 serial ports
- (1) USB port and cable
- (4) Digital 0-5Vdc pin jack inputs
- (4) Open collector pin jack outputs for interfacing with many different families of devices with different operating voltage levels, 0-24Vdc
- (1) 120vac socket, 15amp max

## System requirements:

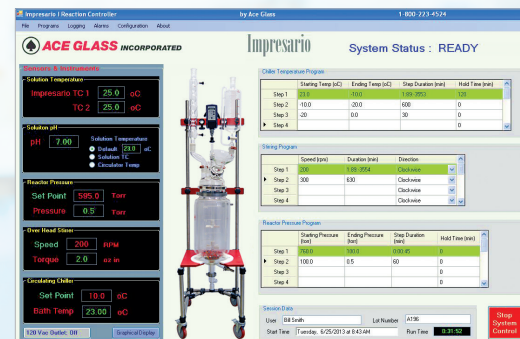
- PC running Windows XP, 7, 8 or 10
- 250 MB of disk space
- Minimum of 1GB ram
- USB port

## Accessories: (Not Included)

- Lab notebook/Laptop
- Cables for peripheral connections
- Vacuum proportioning control valve or vacuum controller
- Peripheral equipment or probes
- Device drivers for additional peripherals

## Any analog or digital control capable peripheral is a candidate for Impresario control, including:

- Balances
- Circulators/Water baths
- Liquid pumps (*peristaltic and syringe*)
- Solids pumps
- Vacuum pumps, sensors, and controllers
- Pressure sensors and controllers
- Flow meters
- Turbidity sensors
- Ultrasonic equipment
- Temperature controllers and sensors
- pH controllers and sensors
- Dissolved oxygen sensors
- Heating mantles, tapes, and Instatherm
- Hot plate stirrers
- Valves
- Dosing or powder additions systems
- Overhead stirrers or mixing equipment
- Level measurement and control  
*(communication ports required on peripheral devices)*



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