



## AHIBA

# Lab. Dyeing Machine

The Datacolor Ahiba IR Pro gives outstanding performance in any textile exhaust dyeing laboratory. Specific and unique features not offered by competitive units and attention to accuracy and flexibility make the IR Pro an important tool in everyday laboratory dyeing. For the discerning laboratory that requires their equipment to provide valuable feedback during and about their dyeing process the IR Pro is a great match.

### Specifications

Specifications	IR® PRO
Fibers Types	All
Substrate Types	All
Multiple Beaker Size Configuration	√
Wash-Fastness Simulation	√
Minimum Liquor Ratio	1:5 Natural - 1:4 Synthetic
Display Temperature in °C or °F	√
Temperature Range	20° - 140°C
Infrared Lamp	3KW
Heating Gradient	+4.0°C/min controlled
Beaker-to-Beaker Accuracy	±0.5°C
Heating accuracy: isotherm	±1.0°C
Cooling System	Water/Heat Exchanger
Speed	5-50 selectable
Reverse Rotation	Yes-selectable
Manual Dosing (injection or membrane)	√
Controller Type	Custom MCU
Calibrated Temperature Accuracy	<1°C
Dyeing Temperature Control Accuracy	<±1°C
Touchscreen	√
Display Color	Color
Display Program Graphs	√
Program Storage	99 programs
External Program Storage	√
Record Program Data	√
Controller Multi-Language	Yes (7 languages)
Delayed Program Run	√
Manual Mode	√
History File	√
Multi-Level User	√



## IR® PRO

- Unrivaled Temperature Control.
- World Class Repeatability.
- Touchscreen Color Controller.
- Water Cooling for Control in any Environment.
- New Controller Algorithms.
- Security.
- PC Application Software.