

PR/Protect

Photoresist Validation System

- The Right Resist
- In the Right Place
- Fully Thawed
- Never Expired
- Every Time

*Easy to Setup,
Simple to Use,
Solid Protection*



BLUETOOTH SCANNER

Convenient setup and operation. Program by scanning data into system. Change resist without touching the user interface.

COMPLETE PROTECTION

Self Enforcing and integrated, technician can't forget to use it.

MULTIPLE CHECKS

Monitors every resist change for:

- Correct resist type
- Correct resist location
- Sufficient thaw time

Monitors continuously for photoresist expiration date.

LANDRY ENGINEERING DEVELOPMENT, LLC

www.LandryEngineering.com

PR/Protect

Photoresist Validation System



Specifications:

Controller/ User Interface

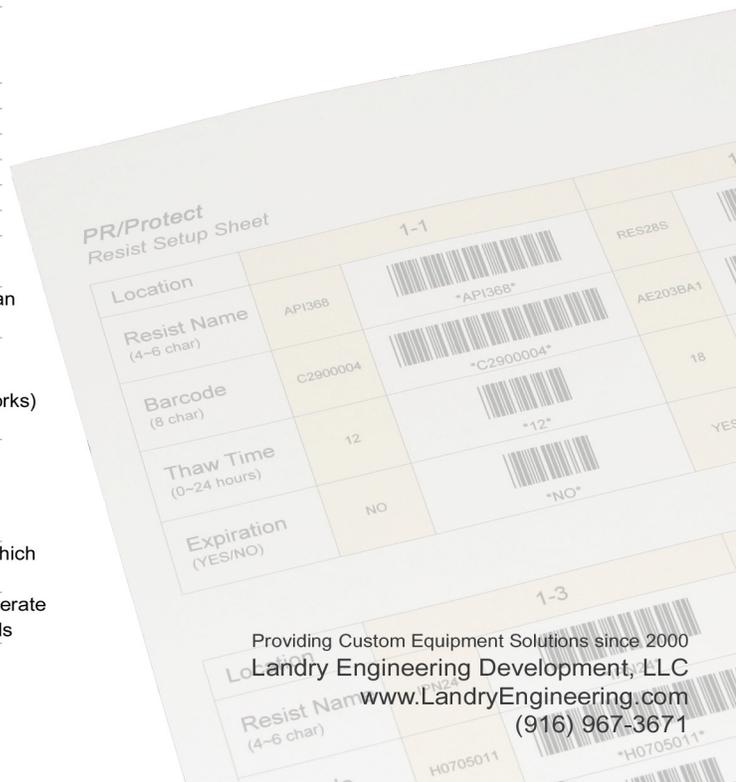
Power	100 ~ 120 VAC, 50 ~ 60Hz, 3A max
Display	4 x 20 Character LCD with Backlight
Interface Navigation	3-Button Navigation
Setup Data Input	Data input via Barcode Scanner
Audible Confirmation	Piezo
Confirm Piezo	95 dBA @ 2 ft (adjustable)
Alert Piezo	105 dBA @ 2 ft (adjustable)
No. of Resists Monitored	8 (2 drawers of 4) (expandable)
Parameters Monitored	Photoresist Type Bottle Location Thaw Time Expiration Date (continuously monitored)
Features	Photoresist Setup Programming Module 5 minute Resist Priming bypass False Empty recovery Barcode scannable password to enter Engineering/Setup Mode

Scanner

Light Source	650 nm laser diode
Scan Element Frequency	50Hz
Decode Rate	200 decodes per second
Radio Range	Minimum 33 ft/10 m
Nominal Working Distance	0 to 14 inches
Drop Specification	Withstands multiple 5 ft/1.5 m drops to concrete
Regulatory	Electrical Safety: UL1950, CSA C22.2 No. 950, EN60950/IEC950 Laser Safety: CDRH Class II, IEC Class 2 EMI/RFI: FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA
Radio	Bluetooth, Class 2, Version 1.2, Serial Port & HID Profiles 2.402 to 2.480 GHz Adaptive Frequency Hopping (co-existence with 802-11 wireless networks) Data rate: 720 kbps

Options:

Alarm Outputs	2 (dry contacts) actuated when system detects an empty resist signal from coater
Central Empty Display	Central Monitoring System, alerts and indicates which coater(s) has an empty resist
Barcode Printing Station	Dedicated PC and BC Printer programmed to generate Timestamp, Expiration, and Custom barcode labels



Providing Custom Equipment Solutions since 2000

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(916) 967-3671