

# Laser Light Barrier

For easy and efficient monitoring of your dispensing processes



The Laser Light Barrier detects deposits for efficient process monitoring and is controlled by an easy-to-use signal amplifier.

Part #	Description
7825237	Laser Light Barrier Kit (includes the signal amplifier, light barrier, spacer, and M2 screw)

Note: To install the light barrier, either a standard nozzle heater or the Laser Light Barrier mounting bracket must be installed on the valve.

## Specifications

Item	Specification
Operating voltage	24 VDC
Electrical power input	24 VDC, 40 mA maximum
Signal amplifier connector	M8, 3-pole
Maximum deposit detection rating	50Hz (50 shots per second)
Output signals for deposit and lens contamination detection	24 VDC PNP, 100 mA maximum

Note: Specifications and technical details are subject to engineering change without prior notification.

The Laser Light Barrier is designed to provide precise and reliable process monitoring, essential for error-free production, when dispensing various fluids with Nordson EFD Liquidyn® pneumatic jet valves.

Each deposit that passes through the light barrier triggers a 24V input / output (I/O) signal, which is enhanced by the signal amplifier. The output from the signal amplifier provides valuable tracking data for evaluation by a higher-level controller.

## Features and Benefits

- Precise detection of even the smallest dispensing volumes
- Standardized output signal
- Robust operation regardless of environmental conditions
- Easily installs without the use of tools
- Easily adjustable detection sensitivity
- Adjustable height settings depending on the nozzle type (flat or needle)
- Built-in monitoring for lens contamination



**EFD**

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com).

### Global

800-556-3484; +1-401-431-7000  
[info@nordsonefd.com](mailto:info@nordsonefd.com)

### Europe

00800 7001 7001  
[infoefd.europe@nordsonefd.com](mailto:infoefd.europe@nordsonefd.com)

### Asia

China: +86 (21) 3866 9006; [china@nordsonefd.com](mailto:china@nordsonefd.com)  
India: +91 80 4021 3600; [india@nordsonefd.com](mailto:india@nordsonefd.com)  
Japan: +81 03 5762 2760; [japan@nordsonefd.com](mailto:japan@nordsonefd.com)  
Korea: +82-31-736-8321; [korea@nordsonefd.com](mailto:korea@nordsonefd.com)  
SEAsia: +65 6796 9522; [sin-mal@nordsonefd.com](mailto:sin-mal@nordsonefd.com)

©2024 Nordson Corporation v110724



more info