

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.



more info

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



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Global

800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

00800 7001 7001
infoefd.europe@nordsonefd.com

Asia

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

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