

Class 1 Laser Classification

The Boreal Laser GasFinder product line meets or exceeds the requirements to be listed as Class 1 laser products under the IEC 60825-1 standard.

The IEC 60825-1 standard defines Class 1 as any laser product which during operation does not permit human access to laser radiation (accessible emission) in excess of the AEL of Class 1 for applicable wavelengths and emission durations.

The Boreal Laser GasFinder product line operates in the NIR (Near-Infrared) wavelength region for purposes of gas detection. The appropriate ranges for wavelength and duration have been considered to ensure that products meet or exceed these requirements.

Boreal Laser makes use of a NIST (National Institute of Standards and Technology) traceable testing program to ensure the NIR thresholds are not exceeded during setup and production of GasFinder products.

For export into the United States of America, Boreal Laser products are classified as Class 1 and are compliant with the testing, record keeping and reporting requirements of the CDRH (Center for Devices and Radiological Health) which operates under the FDA (Food and Drug Administration). Boreal Laser complies with performance standards for laser products except for deviations pursuant to Laser Notice No.50, dated 06/24/2007.



BOREAL

DECLARATION OF CONFORMITY

Date: July 18, 2017

Standard: IEC 60825-1:Ed 3.0:2014

Manufacturer: Boreal Laser Inc.

Address: 12846 - 146 Street
Edmonton, AB

The products listed below have been determined to meet the requirements for a Class 1 AEL LASER Product under IEC 60825-1 Edition 3.0:2014

Evaluated by:
Tim Ho, Product Development

Approved by:
Brian McPherson, C.E.O.

PRODUCTS:
GasFinder 2.0
GasFinder 3.0
GasFinder MC
GasFinder FC
GasFinder FCr
GasFinder PT2
GasFinder DC
GasFinder AB