

## **EPL-AEC-7.75-GL-BP**

### **Explosion Proof Device Box Instrument Enclosure - Class I, II, III - ATEX/IECEX - Viewing Window, Intl Back Plate**

**Product ID: 235333**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Image: EPL-AEC-7.75-GL-BP

**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

#### **EPL-AEC-7.75-GL-BP Explosion Proof Device Box Instrument Enclosure**

**Listing:** United States, Canada, Europe, Asia

**Device Type:** Explosion Proof Box w/ Viewing Window

**External Dimensions:** 10.375" x 10.145" x 7.186"

**Internal Dimensions:** 7.193" x 7.193" x 6"

**Viewing Window Dimensions:** 7.75"

**Weight:** 40 Lbs

**Design:** Box w/ Viewing Window

**Volume:** 570 cubic in.

**Ambient Operating Temp:** -20°C to +60°C

**Temp Rating:** T5/T6

**Material:** Copper-free Aluminum

**Enclosure Finish:** Electrostatically Applied Powder Epoxy/Polyester Finish

**Internal Back Plate:** Included

**External Mounting:** Surface

**Maximum Conduit Size:** 3.5"

**Color:** Gray

#### **Ratings**

Class I, Divisions 1&2, Groups B,C,D

Class I, Zones 1&2, Groups IIB+H2,IIA

Class II, Divisions 1&2, Groups E,F,G

Class III

Type 3, 4, 4X

ATEX/IEC Ex

Ex d IIC T6 or T5

Ex tD A21 IP66 T80°C or T90°C IP66

Ta = -20°C to +60°C

#### **Special Orders - Special Requirements**

Contact us for special requirements

**Intl:** 1-903-270-1187

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**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The EPL-AEC-7.75-GL-BP from Larson Electronics is an Explosion Proof Device Box**

**Instrument Enclosure that houses compact instruments or devices used in hazardous locations, confined spaces and industrial facilities. Equipped with a 7.75" viewing window, this unit contains 570 cubic inches of volume and is constructed of copper-free aluminum. The explosion proof enclosure can be used to comply with domestic and international code requirements, while providing protection for operators and nearby workers.**

The EPL-AEC-7.75-GL-BP offers protection from explosive hazards and ignitions, dust, harsh weather and rough treatment (tampering). This explosion proof box contains a 7.75" viewing window and 570 cubic inches of volume. Constructed of copper-free aluminum, four openings at every corner of the unit are available for surface mounting applications. This device features a 1/8" internal back plate inside the enclosure, allowing operators to drill holes into the plate for mounting equipment, rather than damaging the enclosure itself.

The explosion proof device box is compatible with conduit sizes up to 3.5". This unit is rated Type 3, 4 and 4X and designed to withstand the rigors of demanding environmental and operating conditions while remaining robust and easy to use.

**Applications:** Flow measurement devices, temperature monitors, two-wire transmitters, gas detectors, Ph analyzers, pressure gauges, level detectors, H2S monitors, transducers, pressure switches and other compact industrial instruments/devices.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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## Frequently Asked Questions (FAQ)

There are no Faqs



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**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**( <https://www.larsonelectronics.com/images/product/ATEXCert/235333.PDF> )
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**( <https://www.larsonelectronics.com/images/product/CECCert/235333.PDF> )
- **CE Certificate**( <https://www.larsonelectronics.com/images/product/CECert/235333.PDF> )
- **Certificate 1, Misc**( <https://www.larsonelectronics.com/images/product/Cert1/235333.PDF> )
- **Certificate 2, Misc**( <https://www.larsonelectronics.com/images/product/Cert2/235333.PDF> )
- **Certificate 3, Misc**( <https://www.larsonelectronics.com/images/product/Cert3/235333.PDF> )
- **Dimensional Drawing 2D**( <https://www.larsonelectronics.com/images/product/DimensionalDrawing/235333.PDF> )
- **IEC Ex Certificate (International Explosion Proof)**( <https://www.larsonelectronics.com/images/product/IECExCert/235333.PDF> )
- **MSDS (Material Safety Data Sheet)**( <https://www.larsonelectronics.com/images/product/Msds/235333.PDF> )
- **Operations Manual**( <https://www.larsonelectronics.com/images/product/Manual/235333.PDF> )
- **RoHS Certificate (Restriction of Hazardous Substances)**( <https://www.larsonelectronics.com/images/product/RoHSCert/235333.PDF> )
- **STEP File (3D CAD Model)**( <https://www.larsonelectronics.com/images/product/Step/235333.ZIP> )
- **USA NEC Certificate (Commonly referred to as UL Certificate)**( <https://www.larsonelectronics.com/images/product/NECCert/235333.PDF> )
- **HigResPic1**( <https://www.larsonelectronics.com/images/product/HigResPic1/235333.JPG> )
- **HigResPic2**( <https://www.larsonelectronics.com/images/product/HigResPic2/235333.JPG> )
- **HigResPic3**( <https://www.larsonelectronics.com/images/product/HigResPic3/235333.JPG> )
- **HigResPic4**( <https://www.larsonelectronics.com/images/product/HigResPic4/235333.JPG> )
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- **HigResPic7**( <https://www.larsonelectronics.com/images/product/HigResPic7/235333.JPG> )
- **HigResPic8**( <https://www.larsonelectronics.com/images/product/HigResPic8/235333.JPG> )
- **HigResPic9**( <https://www.larsonelectronics.com/images/product/HigResPic9/235333.JPG> )
- **ISO 9001 Certification**( <http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF> )
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