

## Explosion Proof Analog Ammeter - C1D1/C2D1- 80 Amps - 10V-600V - 1PH - Feed Thru EXP-ED-AM-AC-80A-1PH-V1

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



### EXP-ED-AM-AC-80A-1PH-V1 Explosion Proof Amp Meter - AC

**Listing:** United States, Canada, European Union, Asia

**Device Type:** Explosion Proof Analog AC Ammeter

**Dimensions:** 9.13" x 9.63" x 7.18"

**Lens Opening:** 5.38"

**Weight:** -

**Voltage:** 120V AC

**Phase:** Single Phase

**Ammeter Accuracy:** 2.5%

**Ammeter Range:** Short-scale 1-80 Amps

**Voltage Range:** 10V - 600V

**Overload:** 1.2x for 2 Hours + 10x for 5 Seconds (Ammeter)

**Power:** 0.5VA; 1.5VA (Ammeter)

**Operating Temperature:** -20°C to +65°C

**Storage Temperature:** -30°C to +70°C

**Materials:** Copper-free Aluminum

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

**Lens Material:** Tempered Soda Lime Glass

**Mounting:** Surface

**AC Connections:** Terminals

**Hub Configuration:** Feed Through

**Hub Qty/Location:** (2) - (1) North + (1) South Side

**Hub Size Options:** 1/2" NPT or 3/4" NPT

**Color:** Gray

### Ratings/Approvals

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

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

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

Class III, Division 1 & 2

NEMA Type 3, 4, 4X, 7 (B,C,D), 9 (E,F,G)

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- Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-214-616-6180

**Fax:** 1-903-498-3364

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

**The EXP-ED-AM-AC-80A-1PH-V1 from Larson Electronics is an Explosion Proof Analog Ammeter that is designed for use in hazardous locations, confined spaces and industrial facilities. This NEMA-rated unit operates on single-phase 120V AC and offers up to 2.5% accuracy during ammeter operation. Constructed of copper-free aluminum, the explosion proof device contains a 5.38" lens opening for viewing meter readings.**

The EXP-ED-AM-AC-80A-1PH-V1 offers accurate AC readings of amps inside flammable facilities. Designed to operate on single-phase 120V AC, the ammeter provides readings with 2.5% accuracy, within a short-scale range of 1-80 amps. The ammeter is equipped with a detection range of 10V-600V. Overload protection is set at 1.2x for 2 hours and 10x for 5 seconds when using the ammeter.

Overload protection for the ammeter feature is set at 1.2x for 2 hours and 2x for 5 seconds.

Constructed of copper-free aluminum, the ATEX/IECEx-rated device is protected by a 5.38" tempered soda lime glass lens for viewing meter readings in real-time. This explosion proof unit is rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining robust and easy to use.

**Hubs:** The EXP-ED-AM-AC-80A-1PH-V1 comes in a feed-thru configuration, with two accessible hubs at the (1) north and (1) south side of the unit. Hub size options include: 1/2" NPT or 3/4" NPT. Operators may access terminals for completing electrical connections.

**Mounting:** This explosion proof device is compatible with surface-mounting applications. Cast mounting lugs are available for seamless installations at the combustible site.

**Applications:** Amp readings, electrical monitoring, hazardous locations, confined spaces, industrial work sites, inspections and more.

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.

---



---

## Frequently Asked Questions (FAQ)

**Options:**

**EXP-ED-AM-AC-80A-1PH-V1-Hub Size**

**Example: EXP-ED-AM-AC-80A-1PH-V1-0.5IN**

Hub Size	
1/2IN	-0.5IN
3/4IN	-0.75IN

Links (Click on the below items to view):

- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)