

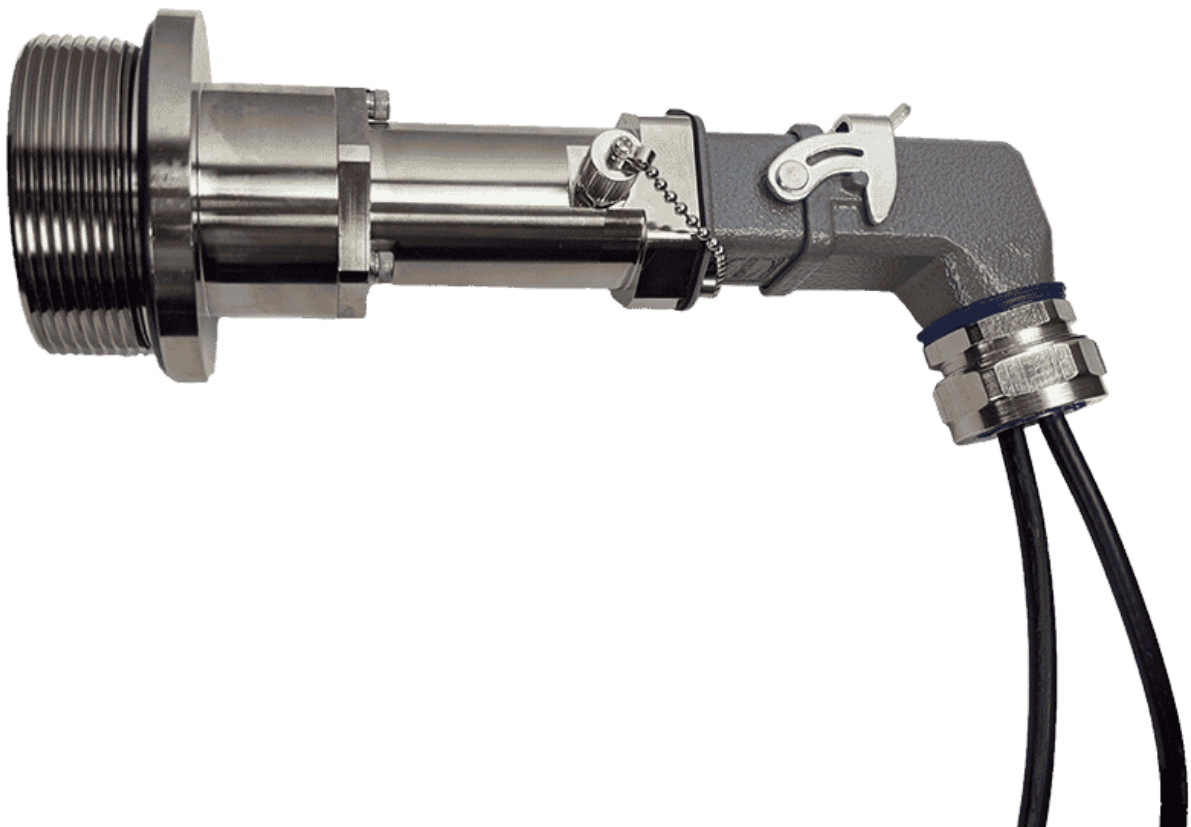


BROCHURE

BAU-Plus

Dynamic Ratings

Distributed by AKRIBIS



High Voltage Current Transformer Sensor

BAU-HVCT Sensor

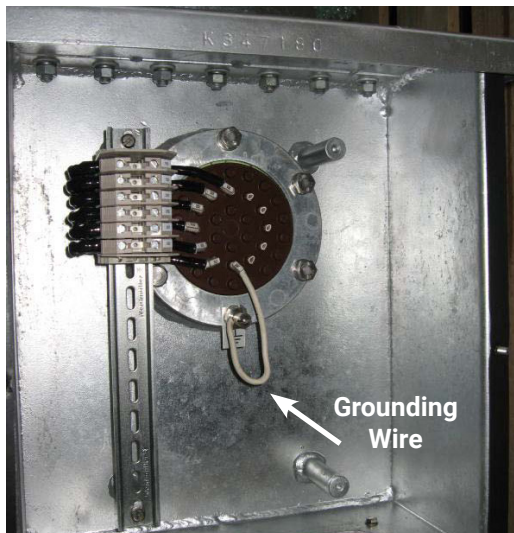
Provide Accurate and Quality Monitoring

Design Advantages

The BAU-HVCT is a Bushing Adapter Unit (BAU) sensor designed for use on High Voltage Current Transformers (HVCT). It is a compact sensor commonly installed in series with the grounding wire in the CT junction box. The BAU-HVCT Sensor serves multiple purposes which eliminates the needs to purchase a unique sensor for each application. It monitors and measures the power factor, capacitance values, and the leakage current to calculate the imbalance of the system. With connection to the C50 Bushing Monitor, data trending can track faults and indicate a potential problem.

Moisture ingress, partial discharge, and over-filled oil from the factory are common failure modes of HVCTs. With the BAU-HVCT Sensor, utilities are able to monitor these common failure modes. While HVCTs are not the most expensive asset, failure can have a significant impact to network operation, nearby assets, and safety of personal.

By continuously monitoring HVCTs, this sensor helps to prevent interruption of power supply to communities and reduce offline testing and maintenance. Online monitoring provides continuous, real-time data to advise the maintenance team of the asset's true condition.



HVCT Junction Box with Grounding Wire

Benefits

- Each sensor can monitor a single HVCT.
- Provides signals for bushing insulation characteristics, imbalance, bushing leakage current, capacitance, power factor, and partial discharge measurements to Dynamic Ratings bushing monitors.
- Has three levels of protection: voltage limiter, surge protection, and fail safe circuitry.
- Simple and easy installation process.

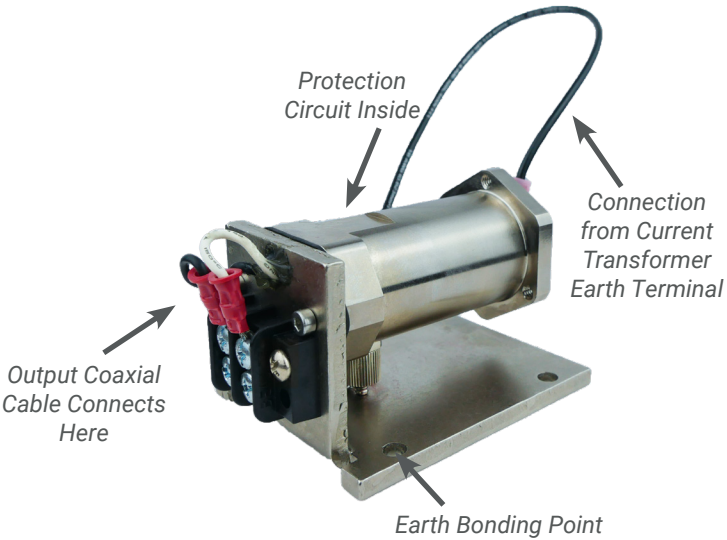


Current Transformer Secondary Terminals

Capacitively Graded Screen External Earth Connection

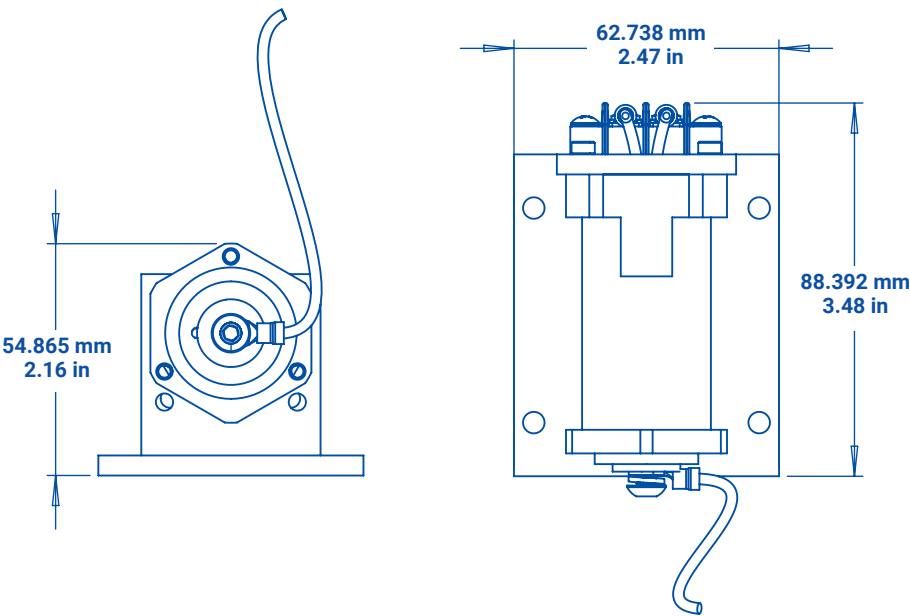
Three Levels of Built-In Protection

- 1. **Open Circuit / Voltage Limiter** - The protection circuit limits the output voltage to less than 20 Volts peak if there is an open circuit downstream of the sensor.
- 2. **Surge Protection** - Surge protection provides safety for equipment and personnel. Two surge protection circuits provide protection for switching and system transients.
- 3. **Fail Safe Circuit** - A fail safe circuit automatically grounds the tap inside the body of the sensor should the surge protection fail.



How to Order

Part Number	Description
BAU-HVCT-X	HVCT sensor with flying leads and a field wiring kit. Coaxial cable not included. Has the option to specify 'X' amount of coax cable feet to purchase.



Request a quote from your regional office.



An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

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