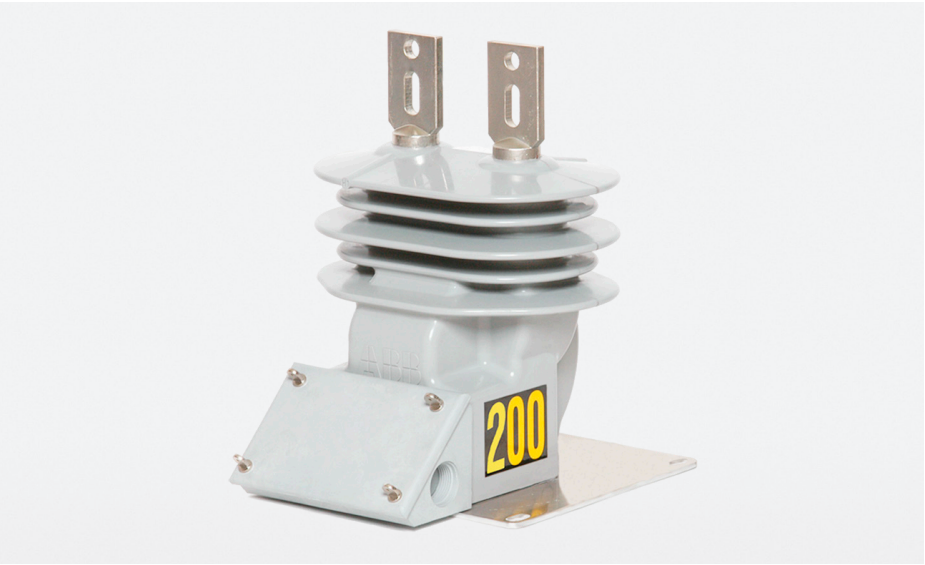
INSTRUMENT TRANSFORMERS

KON-11ER

Extended range outdoor current transformer



The KON-11ER extended range outdoor current transformer is designed for metering outdoor 15 kV systems. With a wide operating range, the KON-11ER preserves stated accuracies and reduces inventory requirements.

Product features

- 15 kV outdoor, 110 kV BIL, 60 Hertz
- Primary amperes: 200 & 1000
- Electrical clearances:
  - Strike: 8.8" (224 mm); Creep: 19.5" (495 mm)
- Approximate weight: 44 lbs (20 kg)

Application

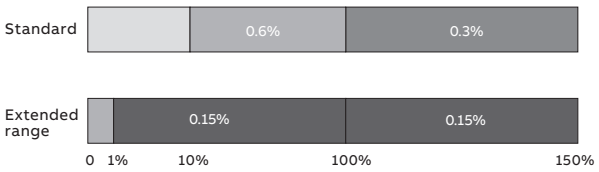
The KON-11ER extended range outdoor current transformer is designed for metering outdoor 15 kV systems. Ideal for use in cogeneration and in applications where there are large power exchanges, the unit preserves stated accuracies with loads ranging from 1% of the full rated current through the rating factor. The KON-11ER provides value by reducing inventory requirements due to its wide operating range in conventional metering applications. The KON-11ER is not suitable for relaying applications.

Construction features

Primary and secondary windings are assembled around a toroidal core and attached to a support frame. For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet or humid conditions.

Extended range

ABB's extended range design delivers high accuracy and stable performance over a wide load swing, making it a great fit for variable load applications such as solar or wind generation sites. Accuracy is guaranteed to be +/- 0.15% from 1% of nominal current through rating factor. ABB's extended range units deliver savings through improved accuracy metering and reduced inventory.



Benefits of HCEP material

- Enhanced water shedding
- Improved UV protection
- Reduced external leakage currents
- Recommended for highly contaminated environments

Terminals

Primary terminals are electro-tin plated copper. Clamp-type secondary terminals accommodate #14 to #1 wire. Terminal screws are slotted-head type.

Junction box
The junction box has a 1" diameter conduit entrance from three directions and is removable for simplified changeout.

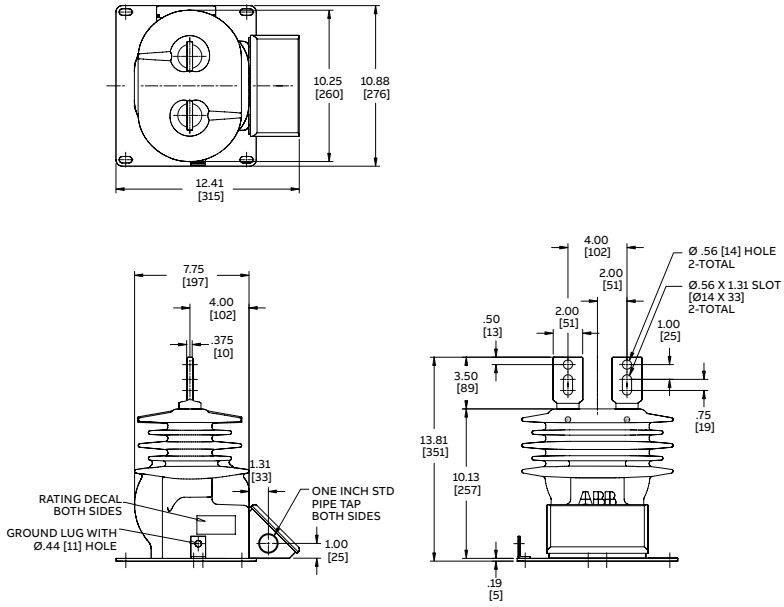
Baseplate
The base is constructed of corrosion-resistant aluminum and secured to the encapsulated base support.

Mounting
The KON-11ER can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

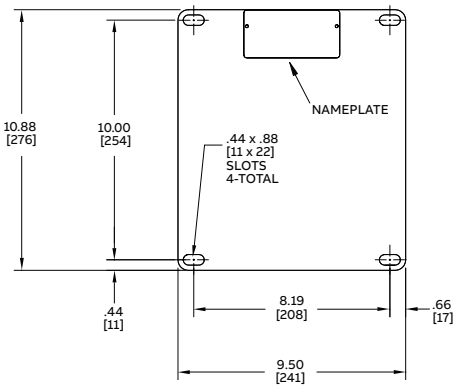
Test reports
Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested. This unit is tested in accordance with IEEE C57.13.6-2016 for high accuracy instrument transformers.

Unit dimensions (inches [mm])



Baseplate dimensions (inches [mm])



KON-11ER selection guide

Primary ampere rating	Rating factor at 30° C	Metering accuracy	Thermal rating*	Mechanical rating+	Style number
200	1.5	0.15SB-1.8	75	200	E-923A427G01
1000	1.5	0.15SB-1.8	60	162	E-923A427G02

Relay accuracy: not to be used for relay applications
* Accuracy range: 1% to 150% I_{RATED}
+ times normal
For 50 Hz styles, contact the factory.
Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

Optional accessories:
Vertical mounting with mounting brackets and back-up plates: Mounting bracket - 463C035G02; Back-up plate - 28D2876G01
Vertical mounting with mounting brackets and hangers: Mounting bracket - 463C035G02; Hangers - 261A233G01
Vertical mounting with channel brackets for tandem mounting of voltage and current transformers: Channel bracket - 332B955G02
Horizontal mounting with hangers: Hangers - 261A233G01

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